

BRITISH MEDICAL ASSOCIATION LIBRARY
- 6 JUL 1953
- 3 JUL 1953

The
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JULY 4 1953

**YOUR
SALES WILL BENEFIT**



*by displaying
this attractive
full colour
Showcard*

RETAIL PRICE	1/3	2/3
TRADE PRICE PER DOZ.	10/.	18/.

the ideal treatment for
SEVERE SUNBURN

A L L E N & H A N B U R Y S L T D L O N D O N



Ascorbic Acid

(Australian-B.P.)

For Spot and Forward delivery
on Contract with English Fall Clause

No restrictions on re-sale



PUBLIC ANALYST'S REPORT

Purity	100 per cent
Specific rotation in water	22°
Specific rotation in methanol	50°
Specific rotation in Caustic Soda	112°
Lead	None found
Arsenic	None found

The Ultra Violet absorption value has not been determined as this has been omitted from the British Pharmacopœia 1953. This sample complies with the requirements of the British Pharmacopœia.

We have been appointed by C.S.R. Chemicals Pty. Ltd., Sydney, sole concessionaires throughout the world (excluding Australasia) for the sale of their Ascorbic Acid.

BIDDLE, SAWYER & CO. LTD.
4 GRAFTON STREET, LONDON, W.1

Tel. : REGent 0521 'Grams : Bidsawya, Piccy, London Cables : Bidsawya, London
PARIS • NEW YORK BOMBAY • BUENOS AIRES • RIO DE JANEIRO • JOHANNESBURG • FRANKFURT
HONG KONG

Associated companies and offices throughout the world

IMPORTANT CHANGE IN RETAIL CHEMIST TRADE

Yorkshire chemist explains recent trends

DURING the last nine months I have been struck by a very definite change in the purchasing habits of my customers. I have noticed that sales of many higher priced products — even well known ones — have been dropping considerably. My customers, from all social classes, have still been demanding top quality products but they are less prepared to pay fancy prices for them. In other words they are determined to get the *utmost value* for their money.

I have therefore made a point of meeting my customers' altered needs by looking out for products which still give top quality but at more reasonable prices.



FINDING THE RIGHT PRODUCTS

Following up this policy, I began searching for a product to take the place of the more expensive brands of germicides. After making my own tests and experiments with various products, I came to the conclusion that one of them was quite outstanding—and that was Ibcoll. It is an all-purpose germicide, containing ten active ingredients, and that is why it is regularly used in leading hospitals. The price, however, is so reasonable that everyone can afford to use it.

I decided, therefore, to give Ibcoll a trial in my shop, and I'm very glad I did. I bought a dozen bottles just to see if my theory was correct, gave them a good display on my main counter and in three or four days had sold them all. Since then, I have been stocking Ibcoll regularly and, except for one week, my sales have been going



up steadily all the time. I find the 8 oz. and 16 oz. bottles sell best in my shop.

It is quite clear from the evidence of this chemist and thousands like him that the public are becoming increasingly insistent on getting value for money. They know that in Ibcoll they have a top quality all-purpose germicide but at such a reasonable price they can afford to use it everywhere. That is why it pays to display Ibcoll where your customers can see it all the time.

VALUE OF DISPLAY

Finding there was a genuine demand for Ibcoll, I have been stimulating sales still more by giving it a small but prominent display all the time. It is all the easier to do this because Ibcoll comes ready packed in handy display cartons. All you have to do is to open them and there you are with smart looking displays all ready for your counter or window — bringing increased profit without taking up a lot of room. I'm sure Ibcoll displays are very important. People come in with prescriptions and then seeing Ibcoll, are reminded to buy a bottle of that as well — which means of course, valuable *extra* business."

This particular chemist's experience of Ibcoll is similar to thousands of others. If you are not already stocking Ibcoll please write to Ibbetson's, River Road, Barking, Essex.

Ibcoll, the all-purpose germicide disinfectant is ideal for display in a chemist's shop. A really first-class product—backed by national advertising. Attractive, neat and handy display cartons. Reasonable prices. It has everything in its favour.



Freflo FEEDING BOTTLE

offers the following advantages:—



- 1 Breathes as it feeds.
- 2 Milk flows unimpeded.
- 3 Wide mouth for filling.
- 4 Teat securely held non-slip
- 5 Hermetical sealing filled or empty.
- 6 Teat reverses and keeps sterile when not in use.
- 7 Feeds for 24 hours can be prepared, stored safely, used when required.

LEWIS WOOLF LTD.

144 OAKFIELD ROAD, SELLY OAK, BIRMINGHAM, 29

From the Carnegie Range of Fine Chemicals

QUININE AND SALTS

CARNEGIE QUININE WORKS LTD

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

Telegrams: CARNEQUIN, WELWYN GARDEN

Telephone: WELWYN GARDEN 506 (4 lines)



"Dream Time"

EVERY FRIDAY FROM 10-10.15 P.M. THE LACTO-CALAMINE RADIO LUXEMBOURG PROGRAMME SELLS TO AN AVERAGE AUDIENCE OF 4 MILLION LISTENERS. NOW ECONOMICALLY PRICED, SALES ARE SOARING. YOUR REPEAT ORDERS MAY STILL BE PLACED ON BONUS TERMS.

BONUS PARCELS

PARCEL LA*	26 × 4 oz. bottles @ 3/1½d. retail inc. P.T.	
	Total retail value	4 1 3
	Cost of parcel	3 1 8
PARCEL LB	84 × 4 oz. bottles @ 3/1½d. retail inc. P.T.	
	Total retail value	13 2 6
	Cost of parcel	9 11 8
PARCEL LC(S)*	26 × 1 oz. bottles @ 1/7d. retail inc. P.T.	
	Total retail value	2 1 2
	Cost of parcel	1 10 10
PARCEL LC(L)	84 × 1 oz. bottles @ 1/7d. retail inc. P.T.	
	Total retail value	6 13 0
	Cost of parcel	4 15 10
PARCEL LD*	26 tubes @ 3/1½d. retail inc. P.T.	
	Total retail value	4 1 3
	Cost of parcel	3 1 8
PARCEL LE*	26 tins @ 3/1½d. retail inc. P.T.	
	Total retail value	4 1 3
	Cost of parcel	3 1 8

*CARRIAGE PAID ON ORDERS OVER £2 NETT IN VALUE EXCLUDING PURCHASE TAX.

CROOKES

Lacto-Calamine

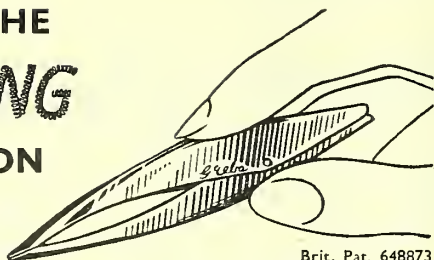


P.A.T.A.



THE CROOKES LABORATORIES LIMITED • PARK ROYAL • LONDON • N.W.10

IT'S THE
SPRING
ACTION



Brit. Pat. 648873

THAT SELLS THE



TRADE PRICE
18/- Doz. (Plus P.T.)

IT HOLDS THE MINUTEST ARTICLE
WITH AN UNFAILING GRIP

Women everywhere are welcoming this new improved patented tweezer, because it really does grip without effort or tension. The "GREBA" is British made from High Grade steel in a simple design both pleasing and practicable. Order from your usual Wholesaler.

Wholesale and Export Enquiries to :—

ARCFIELD OPTICAL MANUFACTURING CO., LTD.
(Light Engineering Section)

53 TOTTENHAM COURT ROAD, LONDON, W.1

TONGUE DEPRESSORS

★ PRICES REDUCED

IMPORTED—PRE-WAR QUALITY

Size 6 in. x $\frac{3}{4}$ in. x 2 mm. thick. Danish beech, perfectly finished. Over six million were sold last year without a single complaint.

Price to trade 17/9 per thousand
(boxed 100's) Minimum order 10,000

Annual contracts may be spread over a year, entitling buyers to reduced prices, and deliveries as required. Write for details.

APPLICATORS, hitherto unobtainable, can now be supplied from stock, shipments having recently arrived. 4/6 per carton of 6 gross for orders of not less than 10 cartons. 4/- per carton for not less than 100.

ASHWOOD TIMBER INDUSTRIES LTD.

Specialists in Veneer and Plywood Products for all Trades.

IBEX HOUSE, MINORIES, LONDON, E.C.3
Tel.: ROYal 2494 Cables: ASHTIM, LONDON

ENERGIE-PEPPERMINTS

A HIGH QUALITY PEPPERMINT

VITAMINIZED

for Energy and Good
Digestion

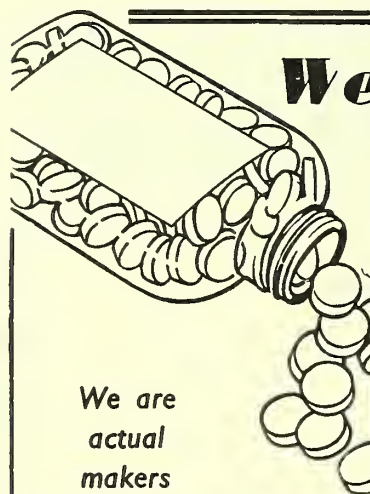


33 1/3%
profit at retail

Supplies from your
wholesaler or direct from:

**BERTRAND JACKSON
& PARTNERS**

20 HOLLAND PARK, LONDON, W.11



We are
actual
makers

We specialise in
quality ASPIRIN
tablets

**PACKED OR IN BULK
BEST PRICES
FINEST QUALITY
PROMPT DELIVERY**

also **SACCHARIN TABLETS**—still
the lowest price for large or
small quantities



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WALLIS LABORATORY LIMITED

58 KING GEORGE'S AVENUE, WATFORD, HERTS.

Telephone: WATFORD 2812

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Volpar Gels Bottle of one dozen — Pharmacists 1/8 Retail 2/6 ★ Volpar Paste Collapsible tubes — Pharmacists 1/8 Retail 2/6
 Volpar Paste and Applicator — Pharmacists 4/- Retail 6/-

THE BRITISH DRUG HOUSES LTD. • LONDON • N.I

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A new combination

C O D I S

REGD.

soluble aspirin with codeine phosphate and phenacetin

Codis presents a familiar grouping of analgesic drugs; aspirin, phenacetin, codeine phosphate; with an important advantage. The "aspirin" in Codis is rendered soluble, as in 'Solprin.'

Placed, uncrushed, in water, a Codis tablet disperses in a matter of seconds to form a solution of calcium aspirin and codeine phosphate with finely suspended phenacetin. The chance of irritation of the gastric mucosa by undissolved particles of aspirin is thus minimised.

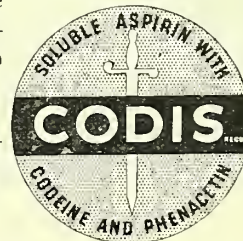
Codis is recommended for all those conditions for which Tab. Codein. Co. B.P. would be prescribed. It has the added advantages of greater ease of administration and far less likelihood of aspirin intolerance, while the rapid absorption of the soluble aspirin promotes prompt relief.

COMPOSITION *Each Codis tablet contains: Acid. Acetylsalicyl. B.P. 4 grs., Phenacet. B.P. 4 grs., Codein Phosph. B.P. 0.125 grs., Calc. Carb. B.P. 1.2 grs., Acid. Cit. B.P. (Exsic.) 0.4 grs., Excip. ad. 11.45 grs.*

Codis is not advertised to the public

DISPENSING PACK (Purchase Tax free) 300 tablets in distinctive gold foils of 6 tablets each 16/6 per box.

PUBLIC SIZES Packs of 20 tablets 2/7 each inc P.T.



The demand is up ...



the price is down ...

New retail prices: 1/- a packet 4 rolls (40 tablets)
1/11 a packet 8 rolls (80 tablets)



W. B. CARTWRIGHT, LTD., RAWDON, NR. LEEDS.

stock up now !

**Get FEET FIRST
INTO
EXTRA SALES!**

with *Quick* selling
KEEN PRICED

**Cumfy
Socks**
MADE FROM
LATEX FOAM

COOL AND REFRESHING.
A BOON TO TIRED AND
ACHING FEET.

CUMFY-SOCKS WILL
NOT RUCK THEY'RE
WASHABLE . . .

ODOURLESS

JUST SLIP INTO THE SHOE
WITH CLOTH SIDE UP
AND WALK ON AIR

PACKED IN PRINTED
CELLOPHANE PACKS.
FULL RANGE OF MEN'S
AND WOMEN'S SIZES.

CUMFY-SOCKS SELL
FAST. THEY SELL ALL
THE YEAR ROUND.

FOR FOOT EASE... FOR
QUICK PROFITS SELL
THEM CUMFY-SOCKS.

Initial Orders will be executed in
popular assortment of selling sizes.

RODMILL CHEMICAL CO. LTD.
ISLINGTON ROW, LIVERPOOL 3

16%

DOZ.
CARRIAGE PAID
3 DOZEN LOTS
ASSORTED SIZES

MADE
IN
ENGLAND.

RETAIL
AT
2%
PAIR

GLANOID

PROETHRON XX

LIVER EXTRACT INJECTABLE
WITH A MINIMUM OF 20 MICROGRAMMES
OF VITAMIN B₁₂ PER ml.

MAXIMUM RETICULOCYTE RESPONSE
WITH MINIMUM DOSAGE IN
PERNICIOUS ANAEMIA AND OTHER
MACROCYTIC ANAEMIAS

AMPOULES 3/1 ml., 25/1 ml.
VIALS 10 ml.

Write for Literature to:

THE ARMOUR LABORATORIES
(ARMOUR & COMPANY LTD)

LINDSEY STREET, LONDON E.C.1

Telephone: Clerkenwell 9011

Telegrams: "Armosata-Phone," London

SPECIAL ANNOUNCEMENT

further

Revision of Purchase Tax

since the Budget

Diuromil

	P.T. now	Previous P.T.	Retail price incl. P.T.
Standard size, per unit	10½d.	10d.	5/4½d.
" " per doz.	10/1½	10/-	£3 4 6

(8 oz. size remains as before)

Ralgex

	P.T. now	Previous P.T.	Retail price incl. P.T.
Per unit	8d.	7½d.	4/2
Per dozen	7/10½	7/6	£2 10 0

Basic Trade Prices not affected.

PHARMAX LTD., The Organ Works,
OLD HILL, CHISLEHURST, KENT

PROFIT from this happy event!

Cosmedin



Cosmedin Beauty Lotion has been such a success that we have been urged from all sides to make a similar lotion specially for DRY SKINS—so here is COSMEDIN No. 2.

PRICE: Same retail prices — 1/10 and 4/6 — for both Cosmedins. Same liberal profit for YOU.

NATIONALLY ADVERTISED: Both Cosmedins are being heavily advertised in national press.

SPECIAL BONUS OFFER: You can make EXTRA profit between now and July 31st by taking this special BONUS of 13 TO THE DOZEN on combined orders of BOTH COSMEDINS. Available from your wholesaler or on direct orders.

DOUBLE SALES: With original Cosmedin for normal skins and Cosmedin No. 2 for DRY SKINS you can easily double your total Cosmedin sales. Display them together and see the results.

Send in your order today—the advertising is starting now!

Orders and enquiries to:

DENDRON DISTRIBUTORS LTD
94 RICKMANSWORTH ROAD, WATFORD, HERTS

has
a
twin



Cosmedin

No 2

For **DRY** SKINS



Euthymol

T O O T H P A S T E

leads the public to the chemist

Euthymol users buy their toothpaste from Chemists, not "bazaar"
stores. That is why it is in your interest to display
and recommend Euthymol.

PARKE, DAVIS & COMPANY, LIMITED Inc. U.S.A. HOUNSLOW, MIDDLESEX

It pays to say "U.M.P."

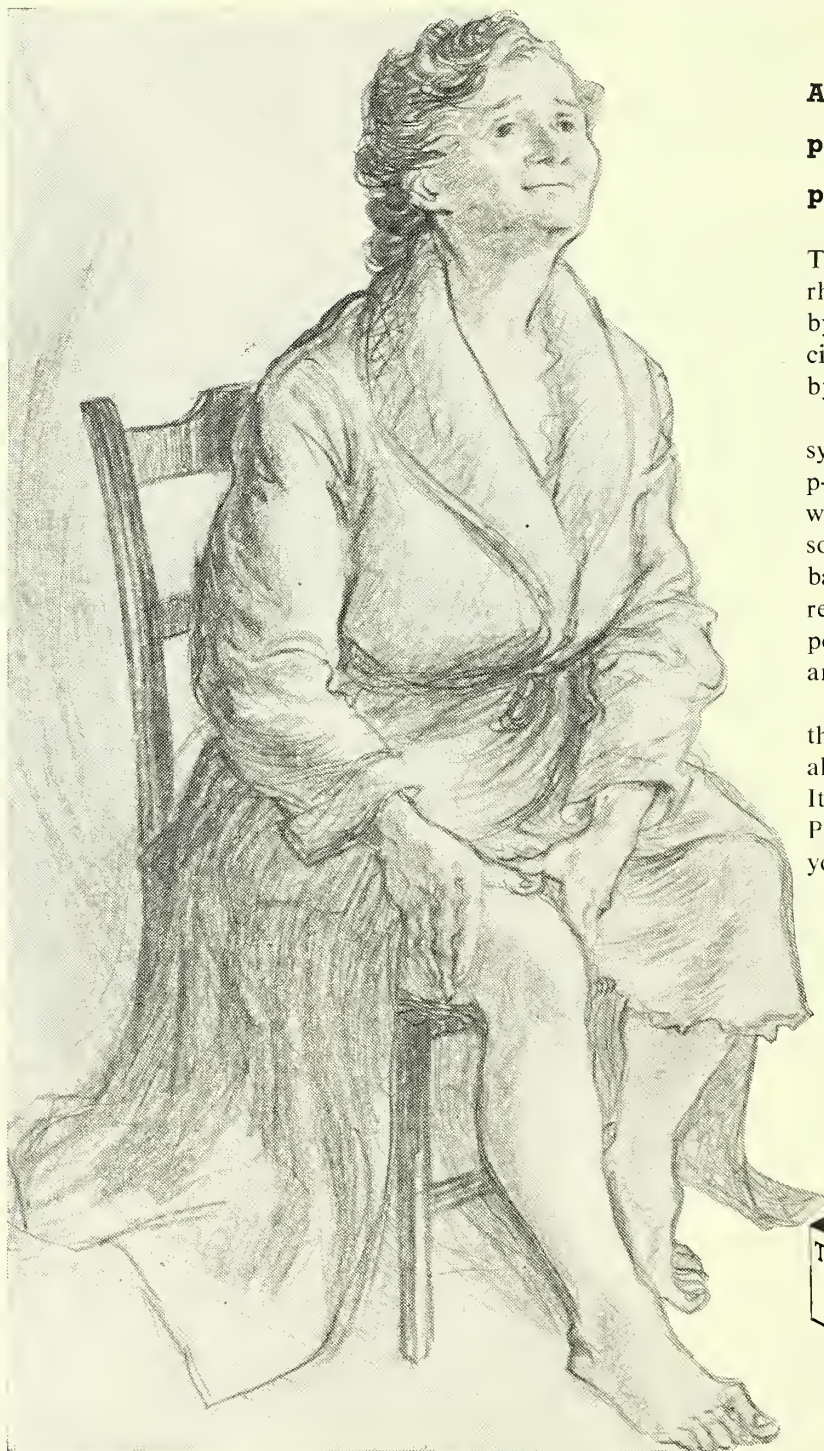
Discriminating buyers prefer U.M.P. Specialised Service for the manufacture of collapsible tubes and plastic mouldings.



UNIVERSAL METAL PRODUCTS LTD.

SALFORD 6 LANCs. Telephone: PENDLETON 1631-2-3
LONDON OFFICE: ARGYLE HOUSE, 29/31 EUSTON ROAD, N.W.1.

A new and logical therapy for Rheumatic conditions



**Advertised to the medical
profession — in demand for
prescription**

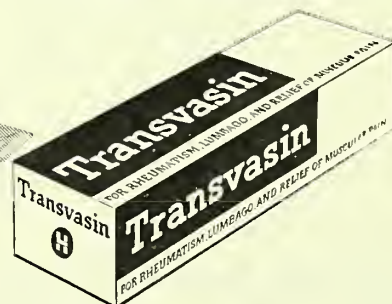
TRANSVASIN, a new treatment for rheumatism that has been developed by Hamol S. A., our Swiss associates, is now being manufactured by us in this country.

Its main constituents are newly-synthesized derivatives of salicylic, p-aminobenzoic, and nicotinic acid, which, being both water- and fat-soluble, readily pass through the skin barrier in therapeutic quantities and reach the seat of the trouble. It possesses properties that are unique among preparations of its kind.

Transvasin is being publicized to the medical profession, which is already beginning to prescribe it. It is available in tubes at 4/- retail. Please order your stocks through your wholesaler, or direct from us.

FORMULA

*Salicylic acid tetrahydrofurfuryl-ester 14%
Nicotinic acid ethyl-ester 2%
Nicotinic acid n-hexyl-ester 2%
p-Aminobenzoic acid ethyl-ester 2%
Water-miscible cream base ad 100%*



TRADE TERMS

30/- per dozen plus P.T. 7/6 per dozen.
Prescribable on form E.C.10

LLOYD-HAMOL LTD., 3 ST. JAMES'S SQUARE, LONDON, S.W.1. WHITEHALL 8654 5/6

FOR CHEMISTS**DRUGS****SUNDRIES***Manufacturing Chemists***PILLS • TABLETS
PROPRIETARIES****HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)****BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)****NEW!**

In its smart black and white container,
the PARADOR Air Freshener is
quickly gaining nation-wide distribution.

**FREQUENT SPECIAL POSITION
ADVERTISING NOW APPEARING
IN THE RADIO TIMES**



Women everywhere will respond to the suggestion . . .

“Give your house an **AIR OF REFINEMENT**
just where it is needed most”

PARADOR**AIR FRESHENER DEODORANT**

**1/3d.
COMPLETE**

Sole Makers: THOMPSON & CAPPER WHOLESALE LTD., LIVERPOOL

**MINIMUM
PROFIT
33 1/3%**

RADIAN PRODUCTS for the relief of muscular pain and the reduction of inflammation

★ **RADIAN-B** Aspirin Spirit Liniment. Brings the pain relieving properties of aspirin directly to the affected part.

★ **RADIAN MASSAGE CREAM.** The ideal working emollient for fibrositis, athletic injuries and for general use by masseurs and chiropodists.

News Angle!

**Mr. A. E. James, masseur to
THE AUSTRALIAN TEST TEAMS**
since 1930, is using Radian-B and Radian
Massage Cream exclusively for the treatment of
bruises, strains and other muscular injuries to the
members of the Test Team
now touring England.

Radiol
CHEMICALS LIMITED

78, UPPER RICHMOND ROAD, LONDON, S.W.15



The makers of

Wimzo

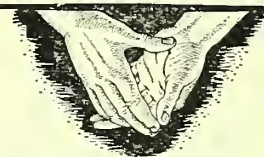
the Chlorophyll hand cleansing jelly
advertised in National Newspapers
are also the sole suppliers

WIMSOL LIMITED · KEIGHLEY · YORKS

Keighley 4218

Wimzo sells to mechanics, engineers, and all who do
dirty jobs; plus motorists and motor-cyclists. Wimzo
is a fast acting, non gritty and gentle emollient which
floats grease and dirt to the surface from every pore
to leave hands scrupulously clean.

Please send for terms



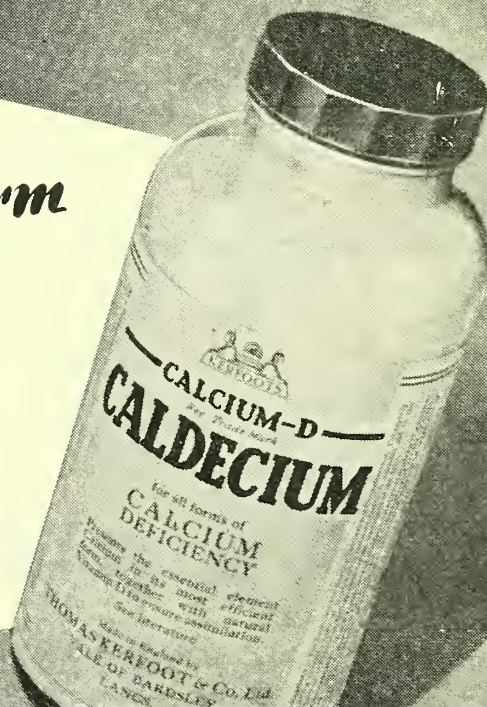
Calcium in its most effective form

A granular preparation containing
Calcium in association with Vitamin D
to assist assimilation. Pleasant tasting
and easily taken from a teaspoon
or stirred in water, Caldecium has
proved to be useful in the treatment
of most forms of calcium deficiency.

Literature and sample
on request

P.A.T.A. 3/-

Trade 24/- doz.



Made in England by THOMAS KERFOOT & CO. LTD., Vale of Bardsley, Lancashire

MEDICAL EVANS SUPPLIES

NOVO LENTE INSULINS

SEMILENTE

Insulin Zinc Suspension Amorphous

LENTE

Insulin Zinc Suspension

ULTRALENTE

Insulin Zinc Suspension Crystalline

Extensive clinical trials with these new insulin modifications are being carried out in this country (*vide Lancet*, 1953, **1**, 1078). No decision has yet been reached as to the date on which they will be made generally available. Evans Medical Supplies Ltd., who have been appointed sole distributors in Great Britain for the Novo Lente insulins, are pleased to announce, however, that in July they will have available supplies of Novo brand insulin (unmodified).

EVANS MEDICAL SUPPLIES LTD

LIVERPOOL · LONDON · NEWCASTLE · SWANSEA

Overseas Establishments: BERNE · BOMBAY · CALCUTTA · DUBLIN · KARACHI · JOHANNESBURG
MADRAS · MELBOURNE · RIO DE JANEIRO · SAO PAULO · SINGAPORE · SYDNEY

When you sell **SILCOT**

you sell it

again

and again

and again . . .

For comfort there's nothing to surpass Silcot Cotton Wool Towels. That's the simple explanation of the regular, all-the-year-round business which Silcot brings you.

And there's something else that Silcot brings you—useful discounts! You can get these discounts under our Silcot Discount Plan.

Silcot is a consistent, nationally-advertised selling line. A real profit-maker.



She is the subject of the new Silcot summer showcard, in ten colours, which all stockists are now receiving. It will attract attention—and business.

SILCOT

Cotton-Wool Towels

Sell **SILCOT SINGLE TOWELS**, in attractive cartons ;
VENSILLA SOLUBLE TOWELS (made from pure cellulose) ;
SILCOT SANITARY BELTS, in printed cartons.

NEW HORIZONS....



Flowering Peppermint Plants on the new Ransom farm at St. Ives.

A corner of the Still Room in which Ransom's Oil of Peppermint is prepared. Its unrivalled quality is due to the extreme care of its production.

... in drug growing

THE cultivation of medicinal plants is a yeoman industry that has more than weathered the passing years. It has, in recent years, assumed undreamed-of dimensions, despite the increase in the use of synthetic drugs. To meet this expanding demand for vegetable drugs and galenicals Ransoms have acquired additional farmlands at St. Ives, Huntingdon, with which to augment the capacity of their well-known drug-growing fields at Hitchin. With their century of experience Ransoms now hold a position in the drug-growing industry which is second to none—the name Ransom having become synonymous with drugs and galenicals of unsurpassed quality the world over.

Actual growers of belladonna, henbane, foxglove, chamomile, peppermint and lavender.



ESTABLISHED 1846



WILLIAM RANSOM & SON LTD.
Hitchin Hertfordshire England

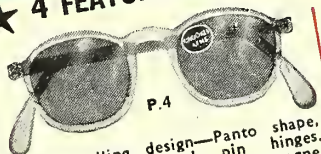
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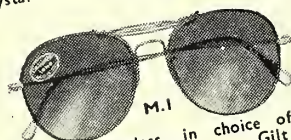
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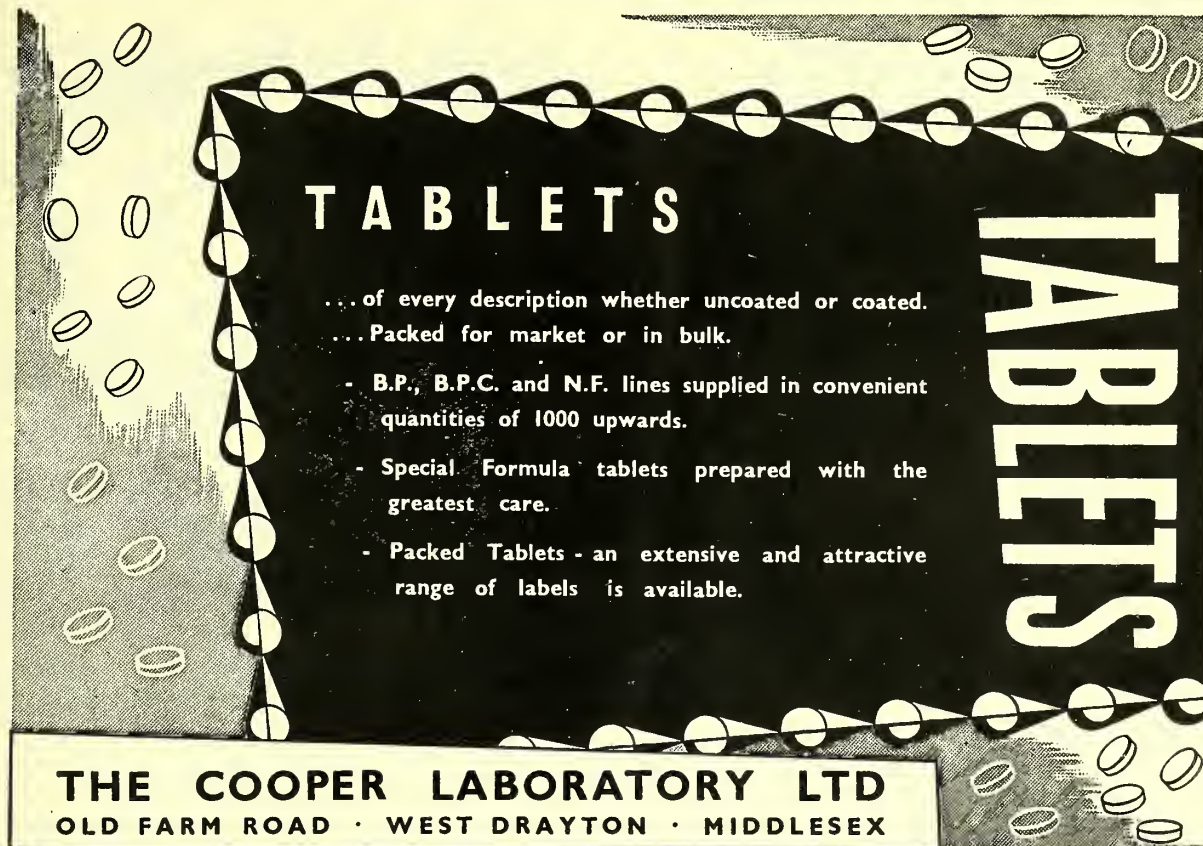


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... of every description whether uncoated or coated.
... Packed for market or in bulk.

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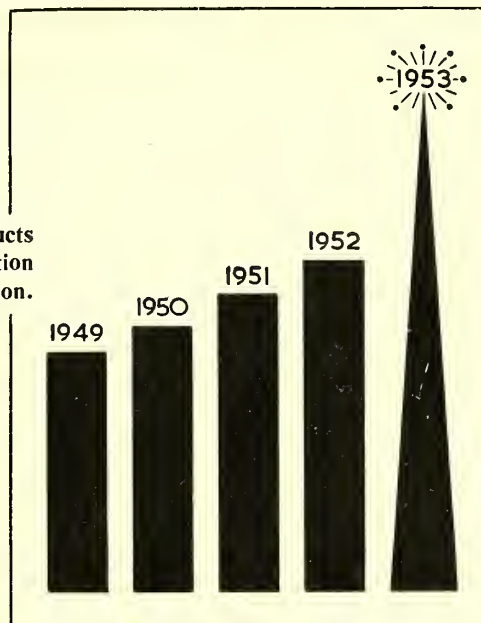
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Sales of 'Vaseline' brand products are climbing to new heights

Up and up go the sales of 'Vaseline' Brand products from year to year. This chart is based on information from an independent market research organization.



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MAKERS OF 'VASELINE' BRAND PRODUCTS

KEEP UP YOUR STOCKS ALL THE YEAR ROUND

For easy profits
display

BESORBON

— perfect remedy

for colds, catarrh, hay fever, etc.

Known and trusted
for 50 years

BESORBON SELLS ON SIGHT!

Stocked by principal wholesalers throughout the British Isles.

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Gosheron TAPES

seal them

SPEEDILY

SECURELY

ATTRACTIVELY

Let us help you solve your
own sealing problem

JOHN GOSHERON & CO LTD GAYFORD ROAD LONDON W12

"The pack that sells itself!"

"Serve yourself" wire display
stand **FREE**



Obtainable
through Wholesalers.

Waterproof:
4/3 doz. trade. 6d. retail
Elastic: 6/3 doz. trade. 9d. retail
Also 1 yd. lengths in dispenser packs.

Manufactured by HINDERS LTD., 174/192 Estcourt Road, S.W 6



PHOSPHORUS
OR RED SQUILL

RATS
and
MICE

Sole Manufacturers

THOMAS HARLEY LTD., PERTH, SCOTLAND

One shilling & sevenpence **PROFIT** on each sale!



NERVONE

The New Biochemic Tablet

Retail Price

5s. 8d.

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Incl. P.T.

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DAILY EXPRESS

HALF PAGE JULY 9th

**GREAT
TOPICAL
TIE-UP FOR
BRYLCREEM**

Men in the public eye prefer

Confidence is half the battle—and half the game! And it gives a man confidence to know that his hair is well groomed. That's why, in Great Britain, in Australia, all over the world, men in the public eye rely on Brylcreem to keep them right on top.

BRYLCREEM

THE PERFECT HAIRDRESSING

*Coming right over...
to keep you right on top*

There's nothing like Brylcreem—nothing to equal it for keeping the hair lustrous, healthy and natural looking; nothing to touch it for grooming the hair cleanly without excessive oiliness. The pure emulsified oils see to that. So Brylcreem your hair—most men do! Ask for Brylcreem, in tube 1, 6, 2 1/2 and 4 1/2, or handy tubes 2 1/2.

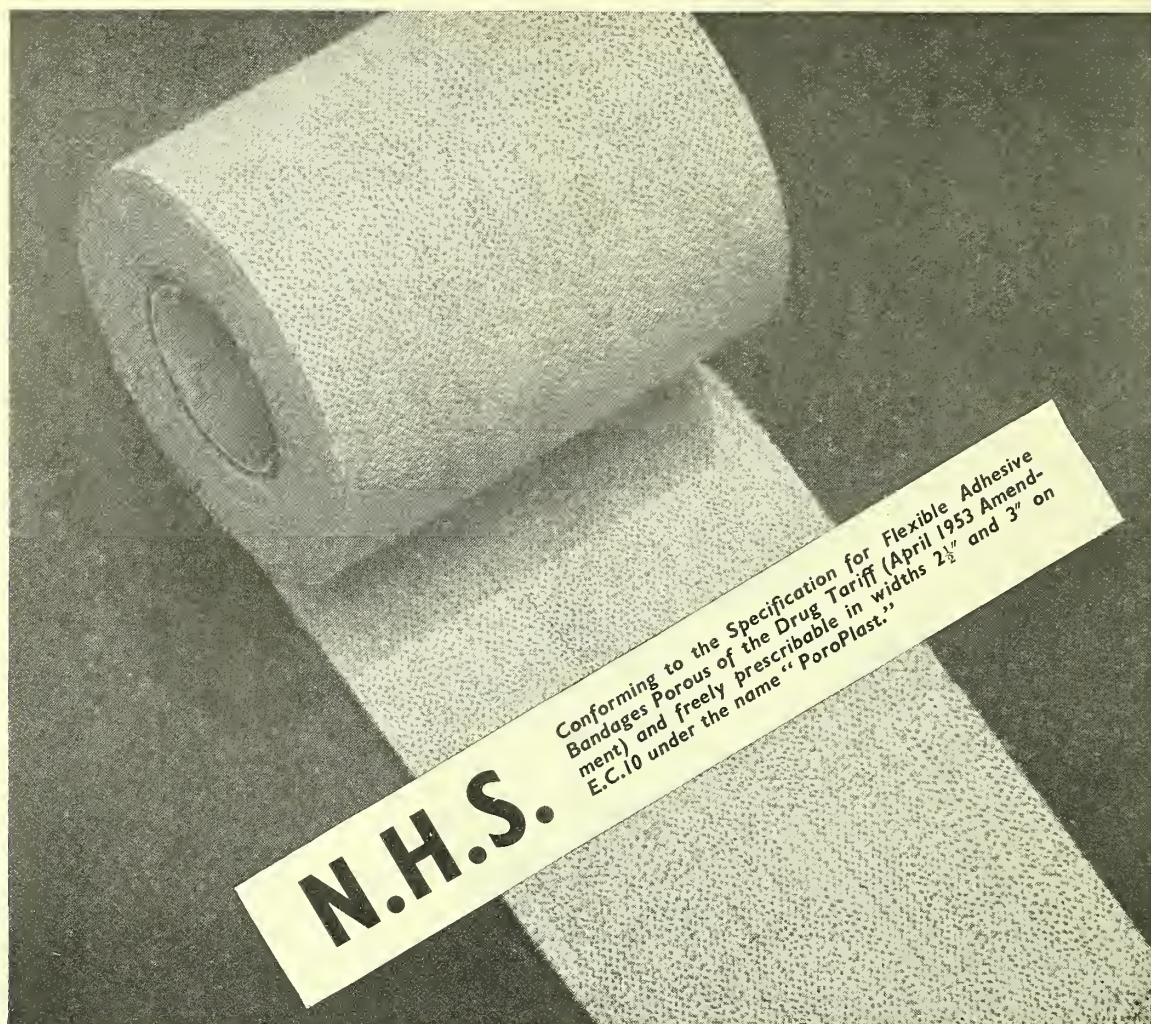
**HARD-
HITTING!
HARD-
SELLING!**

It's topical—because it appears on the first day of the Manchester Test. It's typical—because it's hard-hitting, hard-selling: typical of the many bold Brylcreem advertisements in the National and Provincial Press. This powerful half-page in the Daily Express will put punch into your summer sales of Brylcreem. Don't get caught out with inadequate stocks! Be ready for the big demand! It *pays* to stock Brylcreem!

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PoroPlast contains no rubber, and it is entirely free from the irritating solvents and resins usually embodied in elastic adhesive bandages. PoroPlast is porous over its whole surface, giving ventilation even where two layers overlap. It offers greatly increased plaster toleration even on the most sensitive skins.

PoroPlast

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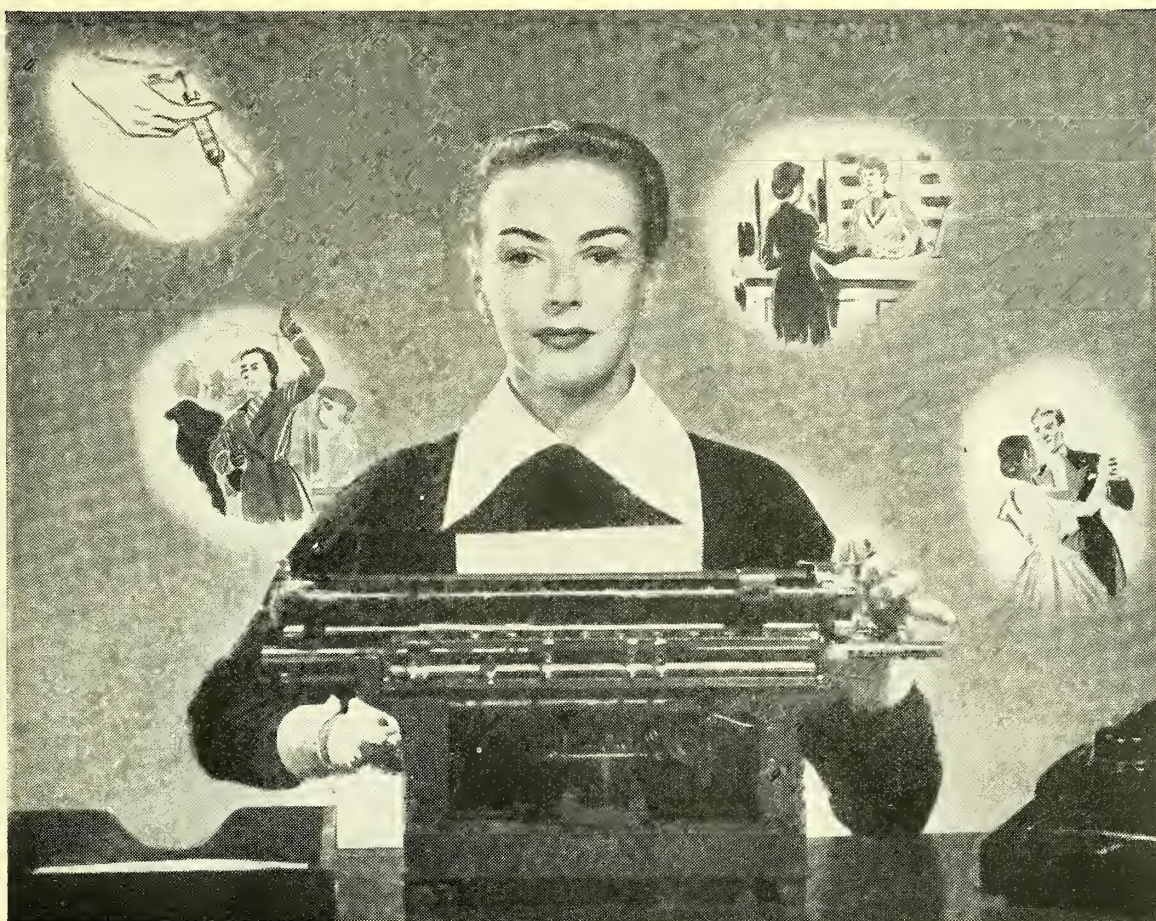
2½" wide	-	-	46/10 per doz.	Retail 5/6
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In rolls 5-6 yards (stretched) packed in Tins

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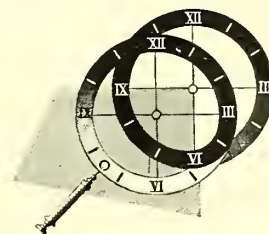
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Save for a few simple routine measures, the diabetic's daily life need differ little from that of any other person. Indeed, in many cases a single daily dose of Globin Insulin suffices to control blood sugar satisfactorily from one morning to the next. The action of this intermediate insulin is prompt and strong by day, reaching its peak when most required; but diminishes by night, thus obviating bedtime meals. Nocturnal insulin reactions are rare.

'Wellcome' Globin Insulin

BRAND

(WITH ZINC)



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) **LONDON**

for sale by CHEMISTS ONLY



RETAIL PRICE

Pure Bristle only
2/- each
Hard Nylon only
1/8 each

THIS COUPON IS WORTH 28/-

Please send, Introductory Bonus Parcel of HYGEX Toothbrushes for £2 - 0 - 0. Retail Value £3 - 8 - 0.

To

Charge to

FOR CHEMISTS ONLY: INTRODUCTORY OFFER

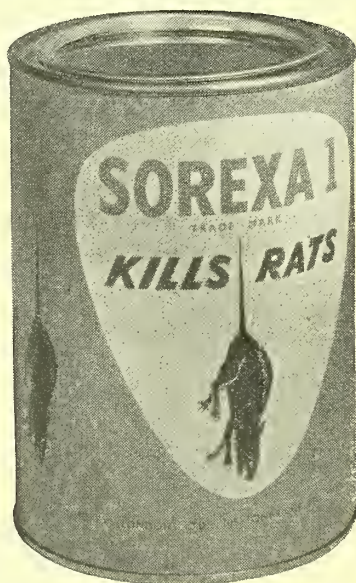
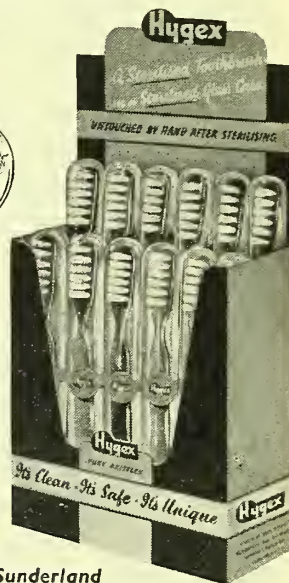
2 dozen Bristle and 1 dozen Nylon toothbrushes Retail Value £3-8-0, for only £2-0-0. Showing 70% on cost, available in July only.

SEND COUPON TODAY



Henderson Bros. & Co. Ltd., Pallion Estate, Sunderland

Sealed and sterilised
in glass pack
Untouched by hand
Choice of 4 colours
for family use
New "self-service"
display carton.



SOREXA is 100% British made and tested

Backed by the reputation of a well known pharmaceutical house and a prominent pest-control organisation.

SOREXA

The WONDER WARFARIN RODENTICIDE

Announcing

A new attractive pack specially designed for your counter trade.

Quick Sales

ensured by recommendations of Pest Officers and satisfied users.

PROFIT 50% on cost (wholesale discount available)

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Sorexal 5 „ „ 13/6 for all rats and mice.

Obtainable through wholesalers or direct from

SOREX (LONDON) LTD., 105 TONBRIDGE RD., MAIDSTONE



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DDT FLYPAK
THE NEW NEATER PRODUCT THAT
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This is proving the
BIGGEST SELLING LINE
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that looks nice, smells nice, and is just what *your* customers really want! It's different, more powerful by the addition of Paradichlorobenzene and is **HIGHLY PROFITABLE TO HANDLE**. The fact that it is being powerfully advertised in the National Press, that it's packed in attractive dispenser container (36 each) are added reasons why *you* should sell it!

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 160

July 4, 1953

No. 3828

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The most effective antihistamine in a form for local application in the treatment of allergic and pruritic skin disorders.

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Dibistin tablets are available to supplement local therapy in severe cases and for other allergic disorders.

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The CHEMIST AND DRUGGIST

Volume 160

JULY 4, 1953

No. 3828

Veterinary Pharmacy

FORMATION OF ASSOCIATION POSTPONED

ALL chemists who showed interest in the proposal (see *C. & D.*, March 7, p. 238) to form an independent Association of Veterinary Pharmacy are this week-end being sent a circular announcing the decision of the organisers to postpone the formation of such an Association and giving reasons for the decision.

The statement, which is issued over the signatures of Messrs. J. S. Horridge, Tarporley, Ches; S. Morgan, Welshpool, Montgomerys; A. E. Moss, Shrewsbury, Shropshire; R. Nottingham, Northampton; W. B. P. Phillips, Stony Stratford, Bucks; R. S. Rowland, Whitchurch, Shropshire; and D. R. Williams, Wellington, Shropshire, recalls that before any concrete proposals to form a new association were made, three of the signatories (Messrs. Horridge, Moss and Nottingham) had separately approached the National Pharmaceutical Union following the statement of the Council of the Pharmaceutical Society whereby restrictions were imposed on the sale of some veterinary medicines (*C. & D.*, 1952.II.679). It was owing to the initial lack of response from the N.P.U. that the formation of a new organisation was suggested, but it was all along hoped that the N.P.U. Executive might be persuaded to incorporate such a body within its own structure. Instead, the first sign of official interest in the proposed Association came from the Pharmaceutical Society. At his own request Mr. F. W. Adams (a secretary and the registrar) met the promoters, explained the Council's attitude, and heard members' views. He made it known that the Council was opposed to those restrictions, imposed by some manufacturers, which prevented the pharmacist from playing his proper part in the distribution of medicinal preparations for animal use, but at the same time believed that certain preparations not regulated by existing legislation should be supplied only to, or on the prescription of, a veterinary surgeon.

At its next meeting the Council took the first step towards establishing machinery for dealing with such problems. One outcome was a meeting on June 15 of rural Branch representatives engaged in veterinary pharmacy. The Council expressed the hope that the formation of a separate body would not be found necessary "as it would only add to the organisational problems of pharmacy, which might be said to have too many organisations already." After a further exchange of

views it was agreed that there was no aspect of pharmacy that could not properly be cared for by the Pharmaceutical Society or the N.P.U.

New approaches to the N.P.U. brought from its Executive an offer to set up a standing committee to deal with veterinary pharmaceutical matters, the committee to consist of five members drawn from the N.P.U. Executive plus the N.P.U. chairman (*ex-officio*) together with five other representative pharmacists with a special interest in veterinary pharmacy.

It was realised that the N.P.U. does not operate outside England and Wales, and that many offers of support had come from Scotland, Northern Ireland and Eire. It was appreciated that the machinery set up by the N.P.U. and the Society might not realise all the objects of the proposed Association (in particular "the interchange of information in matters concerning veterinary pharmacy").

On the other hand, it was doubtful whether a new organisation would have as much influence as the established bodies, unless sponsored by one of them. There was also the vital question of funds, staff, and permanent offices. So far as the interchange of information was concerned *THE CHEMIST AND*

DRUGGIST had come to the organisers' assistance. (Further particulars will appear later.)

It was eventually decided, therefore, to accept the offer of the N.P.U. Executive and for the time being to take no further action towards the formation of the Association. The negotiations and discussions are believed to have already achieved a considerable measure of success in bringing the Society and the N.P.U. to recognise the special interests and problems, hitherto uncatered for, of so many rural pharmacies, and in obtaining direct representation by persons with experience in this branch of pharmacy.

Letters received describing the scope of members' veterinary business are being passed on to the five representative members of the N.P.U. subcommittee when they are appointed. Members are also asked to keep the N.P.U. informed of conditions and problems in their area, and the Editor of the *C. & D.* welcomes suggestions concerning the type of information wanted, as well as news items likely to interest others with veterinary connections. The obvious action towards manufacturing houses which continue to deny supplies of veterinary medicines to pharmacists is commended to all.

JULY DRUG TARIFF

Not available until August

A LETTER sent by the Ministry of Health to all Executive Councils on June 24 states that a revised list (July 1953) of appliances obtainable under Ministry of Pensions Contracts has been issued by the Ministry of Health. Owing to changes in the layout of the Drug Tariff and consequent printing difficulties it is not expected that copies



READING BRANCH RECEIVES CHAIN: Councillor G. G. Hammond, M.P.S., presents Mr. H. C. Pacey (retiring chairman, Reading Branch of the Pharmaceutical Society) with a chain of office, at the Branch's Coronation ball recently. In the picture are also, left to right: Mr. R. Jewett (secretary, Chamber of Commerce, Reading, Pennsylvania); Mayor of Reading, England; Messrs. H. Williams (branch secretary), and H. D. Fitch (chairman-elect). [Photo, courtesy *Berkshire Chronicle*]

of the July 1953 Tariff will be available until August. A notice drawing attention to certain additional and modified types of appliances which have been added to the Tariff with effect from July 1 has been prepared for the information of doctors. The amendments referred to in that notice were notified to chemists and dispensing doctors in the April list of revised prices and amendments. Certain other changes made in the text of Parts 1 and 3 of the July Tariff will be notified to chemists and dispensing doctors soon.

HEARING AIDS

New models produced

THE Chief Medical Officer of the Ministry of Health has sent to otologists a letter describing the indications for the provision of a bone conduction hearing aid, of which a Medresco model has been produced and is reaching distribution centres. The battery cost of bone-conduction aids is higher than that of the insert air-conduction models, the officer points out. A more powerful air-conduction Medresco model is shortly to be available under the designation mark III. Its batteries will be about half the weight and size of those supplied to earlier models.

CHEMICAL ENGINEERING

A European Federation

A EUROPEAN Federation of Chemical Engineering was inaugurated at a foundation meeting held in the *Maison de la Chimie*, Paris, on June 20. The purpose of the Federation is to promote European co-operation in the fields of chemical engineering and equipment. The Federation owes its origin to efforts that commenced in 1951, and that assumed a more concrete form during the course of the European Convention for Chemical Engineering and the Achema X Chemical Engineering and Equipment Exhibition, 1952 (C. & D., 1952, 1, 527). Fifteen European chemical organisations were represented at the meeting; none of them was British. The secretariats of the organisation are in the *Maison de la Chimie*, 28 Rue Saint-Dominique, Paris, France, and in the *Dechema-Haus*, Frankfurt-am-Main, Rheingauallee, 25, Germany.

PRESCRIBING ECONOMY

Doctors call for instruction

AT the Annual Conference of Local Medical Committees (a private meeting held in London on June 17, and reported in the Supplement to the *British Medical Journal*, June 27), a motion calling for economical prescribing to be taught to medical students proposed by the Birmingham Committee (C. & D., June 13, p. 630) was carried after the chairman, Dr. Talbot Rogers, had said that it was the type of argument representatives would like to use when they went to the Ministry. The mover said that the trouble came from young practitioners who had not yet learned what prescribing meant in the National Health Service.

A motion calling upon the Minister to impose financial penalties on doctors who persistently prescribed at a cost grossly above the areal average was lost. THE CHAIRMAN said that areal averages, which would soon be available, would have a salutary effect, and prevent the bringing in of sanctions in many instances. However, a motion calling for local medical committees to investigate, in the interest of economy, the prescribing of doctors whose prescribing costs were appreciably above the local average was passed.

A plea for the return to Latin headings in future editions of the National Formulary, made by three committees, was supported by the Conference. DR. J. E. ELLIOT, Buckinghamshire, gave the following arguments in favour of Latin titles: They were international; chemists liked them; and the bulk of general practitioners and consultants found them most convenient. There was about them a certain classical dignity which was not unbecoming to a profession such as theirs. He quoted: "He who uses the winnowing fan too strongly loses good grain as well as chaff." DR. D. F. WHITTAKER pointed out, however, that pharmacology was taught in English, and the British Pharmacopoeia was published with English titles. There was, he thought, an increasing population who had no Latin.

The Conference was satisfied that enough imagination had been used in the flavouring of N.F. mixtures, and rejected a motion calling for more.

LOCAL NEWS

Good Dispensing Record

AT a recent meeting of the Kent and Canterbury Executive Council the chairman said that it was pleasing that the percentage of test prescriptions not up to standard was very low.

Students' Association Revival

THE department of pharmacy and biology of the Birmingham College of Technology wishes to revive the activities of the department's past-students' association. Former students of the department who are interested are asked to write to the head of the department, Mr. F. R. C. Bateson.

Birdsgrove Bowling Green Opened

MR. T. HESELTINE (president of the Pharmaceutical Society) formally opened a bowling green at Birdsgrove House, near Ashborne, Derbys, on June 21. It had been provided by funds subscribed by the Bolton Branch of the Society. More than fifty members of the branch of the Society attended the ceremony.

Staff Outing

THE 1953 outing given by the directors of Meggeson & Co., Ltd., London, S.E.16, to eighty members of the works and office staffs took place on June 20. The party went to Bognor Regis, where it was received by Messrs. W. Wigglesworth (chairman) and R. C. Feather (managing director). After lunch a vote of thanks to the directors was proposed by Mr. P. King (sales manager).

SCOTTISH NEWS

Pharmacy Robbed

THIEVES blew open a safe in the pharmacy of Mr. J. H. Angus, M.P.S., 418 Maryhill Road, Glasgow, on June 9 and escaped with about £100.

Examination Results

THE following have been successful in the final examination for the degree of B.Sc. in Pharmacy, University of Glasgow:—

Biochemistry: H. M. Connor, J. J. Doherty, M. A. Donnelly, W. C. McGovern. *Pharmacognosy I*: D. J. Frisby, J. G. Fullerton, C. N. Gillis, F. E. Innes, M. A. MacLeod, I. K. Morton, J. Paton, J. S. Pringle, H. A. Strachan, M. Wallace. *Pharmacognosy II*: M. F. Crawford, M. R. Hunter, J. McShefferty.

Scottish Executive

A MEETING of the Executive of the Scottish Department of the Pharmaceutical Society was held in Edinburgh, on June 17. Mr. H. T. Thomas in the chair. Messrs. Samuel Hughan, Glasgow, and John Craib Michie, Nairn, were unanimously elected *Chairman* and *Vice-chairman* of the Executive, respectively. Mr. Hughan said he appreciated the honour which the Executive bestowed on him, and he would endeavour to fulfil his duties in the manner of the past-chairman of the Executive. Mr. Hughan then took the chair, and was invested with the badge of office by the retiring chairman. MR. THOMAS thanked the Executive for the support which they had given him during his term of office, and paid tribute also to Drs. D. McCall, and G. H. Macmorran and the office staff, who had assisted him in every way possible. MR. MICHIE said he too was conscious of the honour the Executive had conferred upon him. Because Mr. C. W. Macfarlane was unable to be present that day, it was agreed to send to him a letter expressing the congratulations of the Executive on his re-election to the Council. Congratulations were extended to the re-elected members of the Executive (Messrs. F. Hepburn, S. Hughan, J. Skinner and H. T. Thomas) and to the new members (Messrs. W. C. D. Bain and Andrew Officer). It was agreed that a letter of thanks for their services should be sent to Messrs. R. S. Graham and J. C. Lamb. Next the assistant resident secretary reported that the number of candidates for the Intermediate examination was smaller than in recent years. The reason for that was that, as a result of the new educational system introduced in England in 1950, pupils could remain at school and take the General Certificate of Education at advanced level and gain exemption from the Pharmaceutical Society's Intermediate examination. It appeared that quite a number of pupils were doing that. MR. J. B. GROSSET asked if it was possible for a candidate who was unsuccessful in the Qualifying examination to commence his apprenticeship. DR. MACMORRAN replied that the practical training could be taken at any time after entering—not necessarily passing—the Qualifying examination. It was reported that, since the previous meeting, two "Apprentices or Students" had been

registered in Scotland, making a total for the year of twenty-three. DR. MACMORRAN read a letter which had been sent to Sir Hugh Linstead expressing the pleasure of the Executive at his award of a Knighthood. He also read a letter which the chairman had sent to Mr. Gamble (a member of the Council of the Pharmaceutical Society of Northern Ireland) expressing the congratulations of the Executive on his award of O.B.E. A reply received from Mr. Gamble was also read. It was reported that, in connection with the Queen's visit to Scotland, invitations to attend the Royal Garden Party, the Service at St. Giles, and a Reception, had been received by Mr. Thomas and the resident secretary. This was the first occasion on which pharmacy had been represented at such functions.

NEWS IN BRIEF

Collecting Box Thief.—Shopkeepers in the Bolton area were advised by the police on June 22 to look out for a thief who had snatched four collecting boxes from chemists' shops.

Cosmetic Chemists' Officers.—At the annual meeting of the Society of Cosmetic Chemists' held in London recently the following officers were appointed:—*President*, Dr. R. H. Marriott; *Vice-president*, Mr. F. V. Wells; *Secretary*, Mr. S. J. Palling. 54 Beverley Gardens, Stanmore.

Hydrogenated Cod Liver Oil.—The Board of Trade announces that import licences are now required for imports from any source of hydrogenated cod liver oil. Supplies of unhardened cod liver oil will continue to be admitted under open general licence when imported from certain specified sources. [Hydrogenated cod liver oil is a hard white fat without flavour or smell, which can be used in place of normal cooking fats. It has not the medicinal value of normal cod liver oil.]

SPORT

Golf.—HULL CHEMISTS' ASSOCIATION, at Hornsea Golf club on June 25. Competition for Lofthouse cup won by J. E. Hindle. Runner-up, W. E. Naylor. Players and guests were entertained to tea by Lofthouse & Saltmer, Ltd. Prizes were presented by F. L. Booth (president of the Association).

LONDON CHEMISTS' GOLFING SOCIETY. at Sudbury golf club, Wembley, on June 25. Medal competition for Sanger cup won by B. F. Tisdall, 75 net. Bogey competition for 4711 prize won by C. H. Maile, 3. Leading scores in medal competition: B. F. Tisdall (11) 75 net, W. S. Hutcheon (12) 76, R. H. Davies (10) 78, Dr. H. Davis (13) 78, C. H. Maile (10) 78, and A. W. Daniel (16) 79.

Bowls.—ULSTER CHEMISTS' BOWLING ASSOCIATION.—The Scottish Chemists' Bowling Association arrived at Belfast on June 24 to play annual bowling match against the U.C. Bowling Association. The Ulster chemists took their Scottish friends for a drive around the Glens of Antrim to Cashendall and back by coast road to Larne, where the match took place. The teams were welcomed there by Mr. John Gribbon (chairman of the Irish Bowling Association). The four Scottish rinks were captained by Mr. John L. Thomson, secretary, and Mr. A. McKinlay. The Scottish chemists won by forty-six sets in ideal weather. Result: *Ulster*:—J. H. Getty, 17; J. Caldwell, 20; H. McRoberts, 8; N. Gernain, 18; total, 63. *Scottish*:—J. Brown, 24; W. Pebbles, 21; A. McKinlay, 32; J. W. Logan, 32; total, 109.

TOPICAL REFLECTIONS

By Xrayser

Changes in Pharmaceutical Practice

Mr. C. G. Drummond's address to members of the Pharmaceutical Society in Scotland (p. 685) gives us much to think about. Changes in the practice of pharmacy during the past twenty-five years have, to a great extent, been world-wide. As they have not occurred everywhere at the same time, nor necessarily on the same lines, the general condition in retail business is one of overlap. In this country a comparison of the Poisons Schedule of 1868, or that of 1908, with the corresponding Schedules of the 1933 Act is significant. Not all the substances in the earlier lists have held their respective positions as medicaments of high repute. That fact has a bearing on Mr. Drummond's forecast that, "for many years to come, the service to the public will change only gradually." An overlap like that referred to in a previous sentence is—at any rate in the United Kingdom—usual between a pharmacy and its neighbours. Otherwise all of them would have exactly the same type of trade. The speaker's further look into the future, suggesting "the growth of a form of private group pharmaceutical practice," was received with considerable interest and sympathy.

Pharmacy in 1558—1603

From the treasures of the Wellcome Historical Medical Museum an exhibition has been arranged (p. 683) illustrating the medicine and the pharmacy of the reigns of Elizabeth I, Anne and Victoria. Your correspondent, Dr. D. S. Spence, who has transcribed a prescription dating, presumably, from the early years of the first Elizabeth's reign and of French provenance (p. 691), may find, on examining one of the books shown at the exhibition, that the prescription is typical. Even Sir Thomas Browne, practising a century later, had not got much further in the art of selecting medicines. The twelve ingredients of the first item in Dr. Spence's French prescription (if it is French) are balanced by the eleven ingredients of an electuary mentioned in a letter written by Browne to his son Edward, reproduced in the *C. & D.*, 1923. I. 935. Garth's "The Dispensary," one of the Wellcome books now on view, appeared first in 1699 and reached its tenth edition in 1741. The importance attached to mithridate and theriaca in Tudor days and later is well known. The Society of Apothecaries of London advertised their theriaca ("Venice treacle") in the "Weekly Journal" of December 15, 1722: each tin contained half a pound troy, and was sealed "with the publick Seal of the said Company."

The Overbury Case

A natural reluctance to spend time on another book about Sir Thomas Overbury disappeared before I had finished the first chapter of "The Murder of Sir Thomas Overbury" (1952) by William McElwee. In a preface note the author points out that much of the evidence available is "hearsay and would not pass in a court of law." But he differs from legal authors who have tended to rule out evidence of this kind, and has skilfully marshalled it. The outlines of the tragic story being familiar, my attention was primarily drawn to references to poisons. Three disreputable persons, Simon Forman, quack doctor, Anne Turner, court dressmaker, and James Franklin, apothecary, accumulated, individually and collectively, a considerable knowledge of the effects of administering to animals and human beings doses of the few poisons they knew. Among those mentioned are aqua fortis, white arsenic, rosagar (i.e., realgar), corrosive sublimate, and cantharides. An early attempt to poison Overbury in the Tower of London by mixing white arsenic in his food failed. His symptoms were serious but a slow recovery followed. It is not clear how many devices were tried before the final one succeeded. On or about September 14, 1613, William Reeve, a "boy" employed by an apothecary named de Loubell, was bribed by an offer of £20 to put mercuric chloride into an enema for administration to the prisoner. With the help of an assistant of the Lieutenant of the Tower named Weston, it was used, and Overbury died on the morning of September 15.

ANIMAL HEALTH IN 1949-51

Work under Diseases of Animals Acts and Sponsored Research

THE Report on Animal Health Services for the years 1949-51, recently published (H.M. Stationery Office, 3s. 6d.), is concerned with the survey on animal health provided for under the Diseases of Animals Acts; and with research work of Government-sponsored veterinary stations.

Sheep Dips

Dealing with dips against sheep scab, the report describes the production of benzene hexachloride (BHC) single-dipping preparations as "the outstanding event in dip manufacture during this century." Several local authorities, it adds, specify that only that type of dip should be used for statutory dipping in their areas. Following tests on the gamma isomer depletion of BHC baths, the Ministry of Agriculture and Fisheries laid down minimum requirements for BHC concentration (0.005 per cent. gamma isomer). Manufacturers brought up their products to the required standard. All BHC dips must comply also with chemical, physical and biological requirements. In the years 1949-51, thirty-five single-dipping type dips and nine double-dipping type dips received approval. The total number of dips approved at the end of 1951 was 252, of which 136 were of tar acids, sixty-nine arsenical, three lime and sulphur, and one of soda sulphide. Forty-three were of the single-dipping type. The dips are retailed under 1,189 titles and manufactured by sixty-nine manufacturers.

The demand for crystal violet (swine fever) vaccine remained low in 1949, because of the low incidence of swine fever. An increase in the incidence of the disease towards the end of 1950 and in 1951 brought about a greater demand for the vaccine. During the three years the Ministry's Veterinary Laboratory issued sufficient vaccine to vaccinate respectively 50,000, 70,000 and 204,000 medium sized pigs.

Anthrax had been increasing gradually. In the last year under review 407 cases were reported. By contrast, parasitic mange in horses was declared eradicated. 1949 was the first year in which no case was reported, and none followed in the two succeeding years.

Despite some laxity in carrying out the provisions of the Warble Fly (Dressing of Cattle) Order, 1948, fewer infected cattle had been seen during 1949-51 than in previous years.

A reminder is given of free services provided under the Diseases of Animals Act, 1950, for promoting the breeding and distribution of stocks of poultry free from disease. The final stage in the campaign against bovine tuberculosis began in October 1950.

The Central Veterinary Laboratory, Weybridge, reports that investigations of alleged unsatisfactory results of vaccination totalled twenty-seven in 1949, seventeen in 1950 and three in 1951. Complaints that vaccination caused infertility proved unfounded but often led to the discovery of *Vibrio fetus* infection (an infection more widespread than had previously been thought).

In experiments on the use of antibiotics injected into the bovine udder in mastitis it was found that for penicillin preparations the nature of the excipient was of greater importance than the type of penicillin salt. Procaine penicillin in mineral oil with aluminium stearate persisted longer than any other preparation tested. A plate method of assay of nisin was developed. Fifteen quarters infected with *Streptococcus uberis* and fourteen infected with haemolytic staphylococci were treated with a single injection of nisin. Approximately half of the *uberis*-infected quarters remained free of infection for four to five months. Six of the staphylococcal quarters remained free from infection for three months. In acute cases of staphylococcal mastitis and in one acute *Str. uberis* case, aureomycin controlled the severe constitutional symptoms, which disappeared in seven to fourteen days. Immediate results with Dibromopropamide-sulphathiazole in mastitis were good in both *Str. uberis* and haemolytic staphylococcal infections but reinfection frequently occurred under herd conditions.

Crystal Violet Vaccine

Tests with crystal violet (swine fever) vaccine prepared with glycerin or ethyl glycol showed that the vaccine may be stored "in cold store" for at least one year.

A controlled experiment showed that it was possible with penicillin and sulphonamides to prevent death in sheep from parasitic bronchitis.

Trials on the value of 2-amino-5-nitrothiazol (Enheptin T) in blackhead in turkeys showed the preparation to be markedly effective when administered to laboratory housed turkeys, but

less effective in a small-scale trial in a field pen, presumably because some of the turkeys failed to consume sufficient of the medicated ration. Trials are continuing in order to find out whether a simultaneous decrease in weight may be explained by a reduction in the intake of food through the unpalatable nature of the drug.

A crystal violet Newcastle disease vaccine was prepared. Immunity was established about seven days after vaccination. The duration of immunity has not yet been fully estimated, but it persists for at least twelve months. Vaccinated fowls cannot transmit the vaccinal infection. The vaccine does not interfere with diagnosis. It retains its potency well in cold storage.

Penicillin in Turkey Mash

The addition to turkey starter mash of small amounts of penicillin (12.6 gm. per ton) produced a significant increase in growth rate, and had a profound effect in stimulating metabolism, tiding turkey chicks over a critical period of susceptibility to chilling and other non-specific causes of mortality during the first few weeks of life. At four weeks the average weights of groups of fifty were 1.26, 1.24, 1.12, 1.02 and 0.84 lb. compared with 1.02, 0.87, 0.64, 0.79 and 0.61 lb. respectively in controls. In the oldest group at twenty weeks the heaviest stag was 20.75 lb. and the average weight was 16.4 lb. compared with a heaviest weight of 16.25 lb. and an average weight of 14.7 lb. in controls.

During the first two or three weeks of life the birds receiving penicillin were more active and had greater vitality than the controls; they also consumed more food and spent less time in the heated compartment.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. J. HENDERSON STEWART (a Joint Under-Secretary of State for Scotland) told MR. J. RANKIN on June 23 that the Department of Health, the Ministry of Health, the Ministry of Labour and the Ministry of National Insurance had no positive records to show that dermatitis or eczema was being caused by detergents in general or by any particular types of them. He promised COLONEL M. LIPTON that he would convey to the Minister of Health a suggestion that he had made that independent research through the Medical Research Council should be conducted into the constituents of detergents with a view to removing a fairly widespread anxiety which existed about them.

Sensitivity to Antibiotics

In the House of Lords the Earl of Onslow said on June 24 that the number of nurses who had left their employment as a result of allergic reaction to penicillin was not known, but a recent sample investigation showed that, in seventy local health authority areas, seventy-three nurses had de-

veloped sensitivity to penicillin, and that in seventy-six hospitals seven nurses had been similarly affected. Eighty-six in the local health authority areas and 102 in the hospitals had been similarly affected by streptomycin.

State Manufacture of Health Requisites

MR. A. W. J. LEWIS asked the Minister of Health on June 25 if he would appoint a committee to investigate the possibility of the State manufacturing essential requirements for the Health Service, including artificial limbs. MISS P. HORNSBY-SMITH (Parliamentary Secretary to the Ministry of Health): No.

Anglo-Argentinian Trade

MR. P. THORNEYCROFT (President of the Board of Trade) told MR. A. R. HURD on June 25 that British products to be imported into the Argentine during the current year under a supplementary trade agreement included photographic material; still cameras; cloves, nutmegs, and ground spices for industrial use; and aromatic essences and products.

WELLCOME CENTENARY GARDEN PARTY

Thousands at Dartford "Family Gathering"



Right: Sir Henry Dale addressing the "family party." Also on the platform are shown, left to right, Mrs. Wheeler, Dr. D. E. Wheeler (joint managing director, The Wellcome Foundation, Ltd.) and Mrs. M. W. Perrins (wife of the chairman). Left: Miss Wellcome Foundation (Miss S. E. Salmon).

AT a garden party held in the grounds of the Wellcome Club, Dartford, Kent, on June 27, as part of the celebrations of the centenary of the birth of Sir Henry Wellcome, more than 4,000 people were present. They comprised members of the staffs of all establishments of the Wellcome Foundation, Ltd., with their families.

Introducing the chief guests, Sir Henry and Lady Dale, Mr. M. W. PERRINS (chairman of the Foundation) mentioned that Sir Henry took his first independent research post when he joined Burroughs Wellcome & Co. in 1904, and then led a distinguished team of research workers before the 1914-18 war. Since that time he had kept up a connection with the company, and it was a great honour to have him as chairman of the Wellcome Trust. Mr. Perrins thanked Sir Henry for his help and for the "spirit of wisdom and friendly interest" he brought to that organisation, and in his own address SIR HENRY DALE recalled that he had been present at the silver jubilee of Burroughs Wellcome & Co. nearly fifty years earlier. The present "family party" of all who served in the different branches of Messrs. Burroughs Wellcome commemorated the birth of a man who, although curious in many ways, possessed great vision. The speaker said he had joined the organisation at its former Herne Hill premises, receiving instruction from Dr. F. H. Carr. When he became President of the Royal Society he was particularly pleased to give his assent to the proposal of Fellowship to two of his former Burroughs Wellcome colleagues: Messrs. A. J. Ewins and A. T. Glenn (who, he announced, had just been awarded the Jenner medal of the Epidemiological Section of the Royal Society of Medicine). The Foundation was a

unique organisation in Great Britain, and represented an ideal to which many in various capacities had contributed. Outside scientific opinion re-

MR. J. A. MAGILL, B.Sc., teacher of pharmacy in the Belfast College of Technology, has been awarded the degree of Master of Science of Queen's University, Belfast.

MR. T. G. F. C. WALLIS, M.P.S., Plymouth, who recently became president elect of the Plymouth Rotary Club, headed a Plymouth delegation to the annual convention, in Paris recently, of Rotary International.

MRS. JEAN G. PAXTON, B.Pharm. (Hons.), whose marriage took place recently (see p. 6), graduated from London University and is a member of the Institute of Biology. She has worked for some time in the analytical laboratories of Eli Lilly & Co., Ltd., Basingstoke.

MISS MARGARET BERRY, M.P.S., Chesterfield, who has been appointed manager of the Newbold Village branch of John Dent (Chemists), Ltd., Chesterfield (see p. 6), qualified in 1951 after serving her apprenticeship with the company and studying at Nottingham University.

MESSRS. W. WATTS and H. LIGHTFOOT whose retirement from Stevenson & Howell, Ltd., Southwark Street, London, S.E.1, has been announced (p. 6) were both elected to the board of that company in 1917. Mr. Watts, who is seventy-six, joined the company in 1894. Mr. Lightfoot is seventy-three and joined five years later.

DR. J. STANLEY WHITE, Ph.C., who was, until August 1952, director

cognised that a man might give his work to an individual company like the Wellcome Foundation, Ltd., promoting even its financial success, as they should, and yet be making a major contribution to the benefit of mankind. That is what Wellcome had had in mind when he thought that profits should go to research in the medicinal field, to which the company was itself contributing supplies. It was a worthy thing to commemorate a man who had had the enterprise and courage to form the organisation.

During the afternoon Lady Dale served on a team of judges which also included Mr. Franklin Engelmann (a member of the staff of the British Broadcasting Corporation) in a Wellcome beauty competition. The winner, "Miss Wellcome Foundation," was Miss S. E. Salmon, of the Wellcome Historical Medical Library staff.

Other items in the programme included a pageant based on the life of Sir Henry Wellcome and acted by members of the Foundation staff; a concert featuring Mr. Richard Murdoch, and a firework display.

The mayor and mayoress, town clerk, and councillors of Dartford, and a number of pensioners, who had attended the Silver Jubilee garden party, were also present.

PERSONALITIES

of the clinical investigation department of the European branch of Parke, Davis & Co., Ltd., recently returned from a six-months' lecture tour abroad, during which he addressed medical and pharmaceutical audiences in India, Pakistan, Ceylon, Australia, New Zealand and Tasmania. He was an official guest of the Indian Government at an all-India science congress held at Lucknow, where he read three papers. In Rotorua he took part in a New Zealand pharmaceutical conference and while in Australia gave a broadcast talk on antibiotics.

DR. HENRI FOUSSARD, Pornichet, France, who contributes to this issue an article (p. 15) on veterinary pharmacy and phytopharmacy, writes "When Mr. Owen H. Waller did me the honour of asking me to write an article for readers of THE CHEMIST AND DRUGGIST, I accepted with great pleasure. Indeed, it was for me a most enjoyable experience to meet English colleagues with whom I have common professional problems and interests, and for whom I have feelings of friendship strengthened by war memories. As a matter of fact, I live near St. Nazaire, and I often had occasion to admire the courage of the British during the numerous air raids, and still more during the commando raid on March 28, 1942, led by Captain Ryder." Dr. Foussard has asked that his fees as author shall be devoted to the widows and orphans of pharmacists, and they are therefore being forwarded to the Benevolent Fund of the Pharmaceutical Society.

MARRIAGES

BINGHAM-LEWIS.—On June 6, James Mark Sidney Bingham, M.P.S.N.I., Moorville, Balmoral, Belfast, to Margaret Constance Lewis, Homra House, Hillsborough, co. Down, Northern Ireland.

PAXTON-HAMMOND.—At St. Peter's Church, Caversham, Berks, on June 27, Lieutenant Michael M. T. Paxton, The Green, Hove, to Miss Jean Grimshaw Hammond, B.Pharm. (Hons.) (daughter of Councillor G. G. Hammond, M.P.S., managing director, Bradley & Bliss, Ltd., manufacturing is now southern area field manager.

STOREY-HUTCHINSON.—On June 24, Frederick J. R. Storey (a director of Fred Storey, Ltd., manufacturing chemists, Belfast) to Patricia Hutchinson, Hollywood, co. Down, Northern Ireland. Mr. Storey is the elder son of Mr. Fred Storey, C.B.E., a past president of the Pharmaceutical Society of Northern Ireland.

WADE-LONGBOTTOM.—At New Church, Keighley, Yorks, recently, Harold Wade, M.P.S., 5 Aireworth Road, Keighley, to Annie Longbottom.

Silver Wedding.—**STURROCK-LOVE.**—At Bonnybridge, Stirlings, on June 27, 1928, Alexander Sturrock, M.P.S., to Margaret S. Love, M.P.S. Present address, 1801 Cumbernauld Road, Millerston, Glasgow.

DEATHS

BOYLE.—On June 19, Mr. Hugh J. Boyle, representative for West Scotland of International Chemical Co., Ltd., Chenies Street, London, W.C.1, for the past eleven years. Mr. Boyle had many friends in trade, in which he was widely known as Hughie.

EDWARDS.—On June 30, suddenly, Mr. J. M. Edwards (managing director of Drug Houses of Australia Export, Ltd.). Mr. Edwards collapsed while visiting a trade exhibition at Olympia, London, and was taken to the West London Hospital where he was found, on arrival, to be dead. He had been with the company and its predecessors for forty years.

FOSTER.—In Devon and Exeter Hospital, Exeter, on June 25, Mr. Murray Toogood Foster, Ph.C., 14 Fore Street, Cullompton, Devon, aged eighty-six. Mr. Foster had been in business in the town for many years and had served on the town council.

WARREN.—(See *C. & D.*, June 27, p. 681). Mr. D. A. Rees, Ph.C., writes: I should like to pay tribute to the late P. H. Warren whom I first met in 1941 when I opened a new pharmacy in St. Albans after being bombed out at Coldharbour Lane, London, S.W.9. Mr. Warren had a pharmacy some 300 yards away, and on meeting him later I was courteously received and offered any assistance that might be required. We soon became firm friends and attended meetings together, including visits to each other's Masonic lodges. He was a faithful and loyal friend and was ever ready to help in various ways. His many friends will mourn his loss and treasure his memory for many years.

COMPANY NEWS

Previous year's figures in parentheses

THOMAS MORSON & SON, LTD.—Mr. A. F. P. Morson was appointed to the board on July 1.

STEVENSON & HOWELL, LTD.—Messrs. W. Watts and H. Lightfoot, home sales and export directors respectively, retired from the company recently.

UNICHEM, LTD.—A subscription list for the issue of £48,000 Notes closed on June 30 and was oversubscribed. Allotment letters are being posted within the next few days.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—A dividend of 7½ per cent. (5 per cent.) on ordinary capital is recommended for the year ended March 31. Consolidated profit is £365,975 (£248,050); taxation, £212,342 (£164,962).

EVER-READY RAZOR PRODUCTS, LTD.—The company, through its parent company in the United States, has purchased from Mailman Bros., New York, the capital stock of Pal Personna Blades, Ltd., London, with plant in Glasgow. Mr. Cecil E. Drukker (managing director of Ever-Ready), in making the announcement, stated that with this addition "we feel sure that our coverage of the shaving field is complete." No change in the present operating personnel is expected.

DUFAY, LTD.—The ordinary capital is to be written down from £718,621 to £179,655 and the share premium account by £309,212 to £41,000. £19,257 is written off other capital reserves. All preference arrears are to be cancelled and no dividends will be paid until the 1954-55 financial year. The company is to concentrate on its x-ray film, camera and Polyfoto activities rather than on the colour photography processes upon which considerable expenditure has been made over a period of years.

POTTER & CLARKE, LTD.—Loss for 1952, £115,075 (£5,633 profit), after tax adjustments resulting in a credit of £2,035 (£2,153 charged) and profit on sale of assets of £10,435. A debit balance of £51,545 is carried forward (£3,393 credit brought in). The balance sheet shows fixed assets at £123,237 (£177,506) and bank overdraft, £82,692 (£196,261). The chairman (Col. R. W. Wren), reports that since the preparation of the accounts the property at Casson Street has been sold at a profit of £9,919 and negotiations are in progress for the sale of the remaining property at Fairclough Street. The effect of these transactions will be to give the company a bank balance which will be adequate for its present trading requirements. A small profit has been made for the first three months of 1953.

HOWARDS & SONS, LTD.—The chairman's statement accompanying the accounts for 1952 contains the following information in addition to that given in the preliminary statement (*C. & D.*, June 27, p. 680):—The writing down of stocks to current market prices included £29,488 for quinine (the world price of which suffered a

25 per cent. fall). During the year the development of a Canadian subsidiary company has proceeded fast; the factory is expected to start production at the end of July. Prospects there continue good and the company foresees no difficulty in selling the full output of that factory at prices which should give a reasonable margin of profit. Although the accounts show a commitment of £95,000 for capital expenditure in Canada most of this has been financed by local borrowing.

New Companies

P.C. = Private Company; R.O. = Registered Office

GORDON & BOYLE, LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Directors: Kenneth R. Boyle, M.P.S., Audrey A. Boyle and Colin J. Boyle. R.O. 96 Holdenhurst Road, Bournemouth.

FRANK WOODS, LTD. (P.C.).—Registered in Dublin. Capital £1,000. To carry on the business of manufacturing and distributing chemists, etc. Directors: Francis Woods, L.P.S.I., Beaufrot, Castleblayney, and Mrs. Colette Woods, Beaufrot, Castleblayney.

BUSINESS CHANGES

THE BELFAST CO-OPERATIVE SOCIETY, LTD., 20 York Street, Belfast, has opened a branch pharmacy at 242 Woodstock Road, Belfast.

JOHN DENT (CHEMISTS), LTD., Chesterfield, have opened a branch pharmacy at 50A Newbold Village, Chesterfield, under the managership of Miss Margaret Berry, M.P.S.

Appointments

THOMAS MORSON & SON, LTD., 47 Gray's Inn Road, London, W.C.1, has appointed Mr. A. S. Jerwood, secretary.

INTERNATIONAL CHEMICAL CO., LTD., have appointed Mr. Donald McLeod their representative in West Scotland in succession to the late Mr. H. J. Boyle (obituary, column 1).

MORNY, LTD., have appointed Mr. G. Jackson, 15 Withington Road, Manchester, 16, their representative for Lancashire, Cheshire, Westmorland, Cumberland and North Wales.

DELAVELLE (SALES), LTD., 38 Orsman Road, Kingsland Road, London, N.1, have appointed Mr. D. D. Preece, 55 Fairwater Grove East, Llanduff, Cardiff, their representative in South Wales and Monmouthshire.

GENATOSAN, LTD., Loughborough, Leics, have appointed Mr. A. B. A. Hunter manager of their Glasgow office and Mr. J. G. Beveridge their trade representative for Glasgow. Mr. T. W. Creswell has taken over trade representation in Northern Ireland, following the appointment of Mr. H. G. Gwynne as senior medical representative. Mr. K. G. Hunt has taken over the Berks, Bucks, Wilts, Herts, and Northants territory, in succession to Mr. H. A. E. Spalding, who is now southern area field manager.

TRADE NOTES

Discontinued.—Benger Laboratories, Ltd., Holmes Chapel, Ches, announce that Benecol tablets have been withdrawn from all markets.

Pills and Tablets.—Arthur H. Cox & Co., Ltd., Brighton, undertake to supply pills and tablets in any quantity at competitive prices, with laboratory control throughout production.

Available in All Sizes.—Made from latex foam, Cumfy-socks foot appliances are now available in all sizes for women and men from Rodmill Chemical Co., Ltd., 2 Islington Row, Liverpool, 3. They are packed in attractively printed transparent-tissue bags.

Distribution Extended.—The area of distribution of Retzoderme, an extract of chicken embryo for application to the skin, is being widened to take in the whole of Great Britain. Retzoderme is supplied in ampoules. It is imported from the Société Commerciale du Retzoderme, 4 rue de Penthievre, Paris, 8e, France, by Mr. S. G. du Moulin, 4 Brompton Square, London, S.W.3.

Insulin.—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, announce that supplies are being made available in July of Novo brand insulin (unmodified). Extensive clinical trials are being carried out on the new insulin modifications Novo Semilente, Novo Lente and Novo Ultralente but no decision has yet been reached as to the date on which they will be made available.

Massage on Australian Cricketers.—Mr. A. E. James, masseur to the Australian Test Cricket teams since 1930, is using Radian-B and Radian massage cream exclusively for the treatment of bruises, strains and other muscular injuries to the members of the test team now touring England. The manufacturers are Radiol Chemicals, Ltd., 78 Upper Richmond Road, London, S.W.15.

Metric Packagings.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have notified their customers that, in supplying, from July 1, drugs and chemicals by metric volume or weight, they are extending the range of free containers. Where container charges still apply, the cost of goods and containers is being invoiced at an inclusive figure. Charged containers bear the usual price slip, and the amount shown is allowed on return as hitherto.

Quality Improved.—Imperial Chemical (Pharmaceuticals) Ltd., Wilmslow, Manchester, state that recent developments in manufacture have resulted in the production of a new, higher-grade Cetavlon (cetrimide, B.P.) of greater purity and potency. The new product has also an increased solubility in water enabling stock solutions of up to 20 per cent. strength to be prepared that are stable to normal temperature variations and do not precipitate.

Ascorbic Acid, B.P.—Biddle, Sawyer & Co., Ltd., 4 Grafton Street, London, W.1, have been appointed by C.S.R. Chemicals Pty., Ltd., Sydney, Australia, the sole concessionaires throughout the world, excluding Australasia, for the sale of the company's ascorbic acid. Messrs. Biddle, Sawyer are in a position to give spot and forward deliveries on

contract with falling clause and point out that there is no restriction on the resale of this ascorbic acid, which is of the finest B.P. quality.

1953 Chemists' Exhibition.—The British & Colonial Druggist, Ltd., 194 Bishopsgate, London, E.C.2, announce that the 1953 Chemists' Exhibition takes place at the Royal Horticultural

NEW PRODUCTS AND PACKS

Chlorophyll Capsule.—West Central Laboratories, 42 Theobalds Road, London, W.C.1, are marketing a new chlorophyll capsule under the name Puraphyl. It is packed in bottle of thirty capsules and sealed strips of six capsules.

Beauty Lotion.—Dendron Distributors, Ltd., 94 Rickmansworth Road, Watford, Herts, have introduced Cosmedin beauty lotion No. 2, a preparation for dry skins, and a companion to their Cosmedin beauty lotion for normal skins. Packs and prices are the same for each product.

Antibacterial Ointment.—E. R. Squibb & Sons, 17 Old Bond Street, London, W.1, have introduced Graneodin ointment, each gm. of which contains 2.5 mgm. neomycin (present as hydrochloride) and 0.25 mgm. gramicidin. The product is intended for the treatment of superficial bacterial infections of the skin, eye and ear. It is issued in tubes of 15 gm.

Introductory Offer.—Henderson Bros. & Co., Ltd., Pallion Estate, Sunderland, are marketing in a sealed and sterilised glass pack their Hygex tooth-brushes, "untouched by hand," and in a choice of four colours. An introductory offer during July of 2 doz. bristle and 1 doz. Nylon tooth-brushes shows 70 per cent. on cost. A self-service display carton is available.

Lubricant Antiseptic Cream.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, have made available a new product, Roccal cream, an antiseptic cream lubricant intended mainly for use in obstetrical procedures but suitable also for other purposes such as catheterisation. The cream contains benzalkonium chloride 1:500 and has a phenol coefficient of 2. It is available in 2-oz. tube and 7-lb. jar. Overseas it is marketed by the associate company Winthrop Products, Ltd.

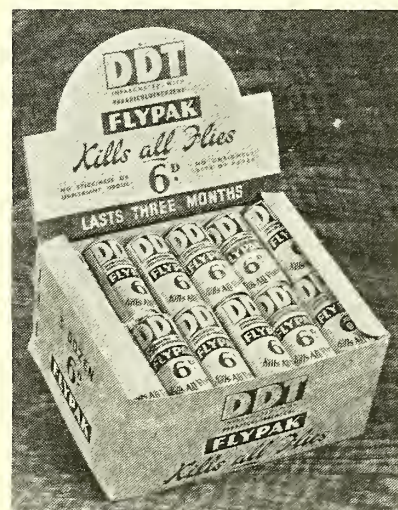
Antacid Buffer.—C. L. Bencard, Ltd., Minerva Road, Park Royal, London, N.W.10, announce the introduction of Prodexin, a preparation of aluminium glycinate (dihydroxy aluminium aminoacetate) for use in the treatment of gastric hyperacidity and peptic ulcer. The compound liberates glycine and a highly active aluminium hydroxide gel in the stomach. Prodexin is supplied in package of thirty individually wrapped tablets and a dispensing pack of eight units of thirty tablets.

Home Colour Process.—Associated British-Pathe, Ltd., Pathe House, 133 Oxford Street, London, W.1, announce that they are making available in September a home processing kit for colour negatives and prints in the Pakolor

Old Hall, Vincent Square, London, S.W.1, September 7-10. The opening ceremony is timed for 11.30 a.m. on September 7, and will be performed by Mr. T. Heseltine (president, Pharmaceutical Society). In addition to trade displays, there will be special technical and professional exhibits, including a hospital syringe service and a display and demonstration of latest apparatus for the dispensary and manufacturing laboratory.

process. The technique is understood to be simple. Details are being released area by area, principally by lecture-demonstrations to camera clubs, e.c. The only indispensable apparatus for making Pakolor prints is three colour filters, provided the printing apparatus of the amateur can be suitably adapted. The process is rendered easier, however, by the use of a film holder and rotary grader for estimating the exposure. One Pakolor kit will develop a dozen roll films or an equivalent number of prints. Recent improvements in Pakolor film materials include an increase in the speed of the film without change of speed number, there being no international standard of colour film speed. The latitude of the film has also been increased and its graininess reduced, while the incorporation of anti-halo compounds in the silver salts results in a much cleaner negative. Improvements in the prints have resulted from the elaboration of a white that compares with the white of a bromide paper, and reds improved (to a quality described as "reasonably good").

"Neatest-of-all" Fly-trap.—What is claimed to be a really pleasant fly-catcher that both looks and smells pleasant, is non-sticky and non-messy, and lasts the whole summer without replacement, is a new product, Flypak, distributed by Dalmas, Ltd., Junior Street, Leicester, for the makers, Ford



Jackson & Co. (Sales), Ltd., 129 Carlton Street, Castleford, Yorks. Flypak contains paradichlorobenzene. It is packed for retail display in the container illustrated.

IRISH DRUG ASSOCIATION

THE Irish Drug Association held its 1953 annual meeting in Dublin on June 22, the president (Mr. G. C. O'Neill) in the chair. He was supported by Messrs. T. R. Bourke (vice-president) and T. C. Scott (treasurer). Mr. Brendan Smith (secretary) was absent owing to illness.

Wages

After paying a tribute to the work of the executive committee of the Association and mentioning in particular the work of the "new member" (Mr. W. A. Fielding, Cork) and the two other provincial members (Messrs. A. Thornton, Enniscorthy, and H. W. Ferguson, Limerick), Mr. O'Neill referred to the question of a demand for increased wages on the part of the Employees' Trade Unions. In 1952-53 conferences under the auspices of the Labour Court were held twice with the usual result of increased wages. There was no objection to the payment of good wages in retail pharmacy and adequate salaries for qualified persons, if the retail business could make such payments. Turnovers were, however, limited and the average sale was small. It is now the considered opinion of many employers that the present wages and salaries are as high as turnovers will permit.

Concerning price changes the matter of major importance was the re-introduction in September 1952 of the package tax which, though small, affected many items. The result was heavy pressure of work on the office staff, and 4,196 price changes to the list which had recently become obsolete. The standard of price maintenance amongst members continued good. In some non-chemist shops many lines were the subject of drastic price-cutting and he felt that manufacturers should prevent that practice from spreading or chaos in the retail distributive trade, particularly as far as proprietary articles were concerned, would result. I.D.A. members should not fall into the trap of trying to meet that competition at the risk of financial disaster. Rather should they report such price-cutting to the secretary of the Association so that the committee could bring the matter to the notice of manufacturers.

The proposed Health Bill had been under close consideration by the committee, which had had joint meetings with the representatives of the Council of the Pharmaceutical Society of Ireland. In its present form that legislation did not appear likely to affect drastically the position of members. Concerning the Restrictive Trade Practices Act, 1952, he said "as you will have seen by the issue of THE CHEMIST AND DRUGGIST of June 20 (p. 661) the Committee has been watching closely the passage of this Act in the interest of its members and has taken legal opinion on its various sections. While for the present we consider it judicious to pursue a policy of wait and see, the Committee feel that the strictly ethical and moral way in which the business of pharmacy is conducted, and the basis on which it trades can stand the fullest investigation by any

Commission set up under the Act. Should, however, anything arise which might affect the retail drug trade, we are determined to do everything legally possible to protect the interest of our members."

MR. C. J. CREMEN proposed the adoption of the president's address. MR. D. J. NUGENT seconding, said he thought they were taking the easy way out so far as the Health Bill was concerned, and suggested that pharmacists might lose much of the business they had at present from people with incomes up to £600. Dispensary patients were getting everything they wanted and when the Bill was passed they would have many more going to the dispensaries for free malt and cod liver oil, etc. If nothing was done pharmacists might find themselves with a lot taken out of their pockets. Another matter he wished to refer to was the wholesale distribution of chemists' lines to non-chemists.

Prices not Maintained

MR. T. J. GLEESON said he did not agree that prices were being maintained. Price cutting was rampant in Dublin and it looked as if the I.D.A. was turning a blind eye to it. He had come to the conclusion that he was unrealistic in not selling on a 25 per cent. profit basis rather than not sell at all.

THE CHAIRMAN said that so far as he knew the matter of price cutting had never been brought under the notice of the Committee. It was regrettable that there were leakages through some of their own members, and this was being used as an excuse by some manufacturers to distribute their lines to non-chemist traders.

MR. N. FARRELL, Coolock, said he was one of the victims of leakages. THE CHAIRMAN said the Committee were aware of those leakages but did not know who were the individuals responsible. MR. W. D. NOLAN, Ballytogether, co. Kildare, said that leakages were not so prevalent as manufacturers pretended. In his view chemists were not giving sufficient support to the manufacturers who were confining their lines. When a traveller came in to sell him goods and then went into the grocer to sell him the same lines he closed his account with that supplier. He thought the wholesalers were allowed to get away with too much. Chemists should buy their goods only from purely pharmaceutical firms.

MR. J. O'ROURKE thought they should refuse to take delivery of goods from any van bringing supplies to non-chemists. Price cutting was a phase which he believed would pass. He suggested that the association should run an advertising campaign telling mothers that the proper place to buy baby foods was in the pharmacy. He was more uneasy than ever as to how chemists would fare under the Health Bill and had no confidence in the Minister's promises. Regarding the Restrictive Trade Practices Act he thought that the Association had nothing to fear. He was sure Mr. Brendan Smith would be helpful to Messrs. Gleeson and Farrell if they got in touch

with him. MR. GLEESON said there was price cutting in cosmetics and an edict should go out from the committee that that must end. If it was not stopped soon he would have to do the same thing himself. THE CHAIRMAN said he would bring the matter before the committee, and he was sure they would have an order sent out to the members. MR. GLEESON said it should be brought home to chemists that their business was slipping away from them. A "pep circular" should go out to them with the aim of raising their status. The chairman's report was unanimously adopted.

MR. T. C. SCOTT (treasurer), presenting his report for the year ended December 31, 1952, said he regretted to announce a deficit for the year of £534. The cost of running the Association at the accustomed level had risen considerably, mainly owing to external influences difficult to control. Rates and taxes, postal charges, increases for wages and stationery, together with a large sum paid in income tax, were chiefly responsible for the Association's deficit. It was anticipated at a special committee meeting that the affairs of the Association could still be successfully managed at the current subscription rate because membership continued to increase, and that, with the omission of taxation would offset this year's loss. MR. SCOTT reminded the 1,045 members that the Association was one of the cheapest trade organisations in Ireland. The past twelve months had seen over 4,500 price changes dispatched to members, a rise of practically 1,000 extra price alterations on the previous year. Committee and sub-committee meetings were held on thirty-five occasions, approximating to one every ten days. MR. MCGRATH proposed and MR. BOURKE seconded the adoption of the treasurer's report.

Committee Re-elected

On the motion of MR. NUGENT, seconded by MR. O'ROURKE, the following outgoing members of the committee were re-elected: Messrs. T. R. Bourke, C. J. Cremen, A. C. Hennessy, P. McAuliffe, D. J. Murphy, G. C. O'Neill, and D. Woulfe. Miss Anne McNamara was re-elected Auditor.

The meeting noted with pleasure a letter from Sandoz Products, Ltd., stating that, in furtherance of their policy of co-operating with retail pharmacists as much as possible, they had given instructions to their representatives to mention the pharmacists' prescription fee when quoting prices.

MR. ARTHUR ALLSHIRE, M.P.S.I., Glasnevin, in a letter drew attention to "the tendency of some medical men deliberately to avoid writing a prescription because they believed their patient would be charged more than if they gave the name of the preparation verbally." Mr. Allshire mentioned a case brought under his notice where a doctor advised a patient to use a particular preparation for dandruff, but wrote no prescription because he told the patient "the chemists charge the earth for a thing like that when ordered on prescription."

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive of the National Pharmaceutical Union Chemists' Defence Association and management committee of the Chemists' Sickness and Provident Society were held in London on June 23 and 24. MR. H. HOLMES (chairman of the N.P.U.) who was in the chair, referred to the fact that for the second year running past-chairmen of the N.P.U. Executive held office as president and vice-president of the Pharmaceutical Society.

"Tantamount to an Advertisement"

Among matters discussed was correspondence with the editor of the *Family Doctor* arising out of an article in the June issue, which appeared to be tantamount to advertising the dispensing services provided by a well-known company (see *C. & D.*, June 20, p. 665). The Executive Committee felt that the seriousness with which the breach of the ethical standards of the medical profession on such a matter was regarded in pharmaceutical circles had not been appreciated by the editor and it was decided that although *Family Doctor* is not, strictly, a British Medical Association council publication the ethical considerations to which publication of the article gave rise should be ventilated with the B.M.A., and that a joint approach with the Council of the Pharmaceutical Society should be made if that course seemed appropriate.

Discussion on future Shops Act legislation was based on examination of a Home Office memorandum, which was as yet available only to specified organisations representing employer and employee interests. The Home Office tentative proposals were based mainly on recommendations of the Gowers committee which reported in 1947. The Executive did not dissent from the Home Office proposals on any major point where they affected all retailers but on certain points affecting the retail sale of drugs, medicines and medical and surgical appliances it was agreed that the impact of the proposals should be further explored with other pharmaceutical employer interests and eventually taken up with the authorities.

Concerning purchase tax changes and the necessity for an effective scheme to protect retailers from losses such as they had sustained following the April Budget tax reductions, it was reported that a communication had been sent to each Member of Parliament urging support for an amendment to the Finance Bill that had been put down by Mrs. Barbara Castle, M.P. (*C. & D.*, June 27, p. 677). It was reported that N.P.U. branch secretaries had been asked to impress on local M.P.s the necessity for an effective scheme for protecting retailers from loss on tax-paid stocks to be found and announced well in advance of the next Budget in order to avoid retailers' restricting their buying over the months preceding the Budget. The Executive noted with concern that the Government had rejected the proposed amendment to the Finance Bill but welcomed the indication given in the course of the debate in the House of Commons on June 22 that it recognised the seriousness of the situation to retailers and was willing to re-examine the problem. The Executive decided to maintain its contacts with the special committee of the National Chamber of Trade that had been representing the combined interests of most retail trade organisations affected by the purchase-tax problem, and in addition to seek discussions with the Association of British Pharmaceutical Industry and with the Toilet Preparations Federation.

The Executive confirmed a previous decision to set up a special subcommittee to consider matters affecting pharmacists concerned in the supply of veterinary requirements. Messrs. E. A. Brocklehurst, T. Heseltine, G. H. Hughes, P. D. J. Spaanderman, S. J. Stearn and H. Holmes (*ex-officio*) were appointed to represent the Executive and it was decided that five or six retail pharmacists having a specialised interest in veterinary supplies should be invited

to join the Committee. Names of persons suggested for such appointment, submitted by invitation by the convenors of the projected Veterinary Pharmaceutical Association, were considered by the Executive. It was decided that an announcement of the full personnel of the subcommittee should be deferred.

A proposal from the management side of the Pharmaceutical Whitley Council that the constitution of the Council should be amended to provide a place for a representative of Hospital Management Committees on the management side of the full Council was agreed, subject to the concurrence of all other organisations which, with the N.P.U., make up the staff side.

An invitation from the Monopolies and Restrictive Practices Commission to submit evidence relevant to an inquiry into certain trade practices including price maintenance and arrangements for goods to be distributed through a limited channel, was remitted to a subcommittee comprising Messrs. A. A. Aldington, H. G. Moss and F. G. Wells and the secretary (Mr. H. Noble) with instructions to prepare a draft statement for consideration at the next meeting of the full Executive.

Propaganda for Sickness Society

Mr. E. A. Brocklehurst (chairman of the management committee for 1953-54 of the Chemists' Sickness and Provident Society) presided at the meeting of the Society. Applications for membership, which brought the total membership to 2,253 were considered. It was decided that special propaganda should be undertaken by direct postal approach to young proprietor pharmacists to bring to their notice the substantial financial advantages, coupled with a sickness benefit insurance, which membership of the Society provided. Although membership of the Society was open to qualified or unqualified persons engaged in any branch of the drug trade, the management committee considers that membership is particularly valuable to young proprietors who, in the early years of building up their businesses, are inclined to overlook their own personal affairs.

In the absence of Mr. G. H. M. Graham (chairman of the Central National Health Service (Chemist Contractors') Committee) the report of the Committee was presented by MR. H. STEINMAN. The Committee had considered a report on the meetings between the consulting accountants and the accountants acting for the Ministry of Health in connection with the claims for increases in the dispensing fee and the container allowance. Arrangements had been made for further discussions to take place. Consideration had been given to an invitation to submit evidence to the committee of inquiry into the cost of the National Health Service and provision made for the terms of a document to be submitted by the Committee to be settled at the next meeting. MR. D. HUDSON reported to the Committee on the meeting of the surgical appliance subcommittee that had been called to consider proposals received from the Ministry of Health regarding basic prices and specification for trusses and elastic hosiery. The Committee decided that the Ministry's proposals were not acceptable and arrangements would be made for representatives to meet the Ministry in the near future. The Committee had also taken appropriate action in connection with proposed amendments to Part I of the Drug Tariff dealing with, amongst other matters, the basis of payment for proprietary medicines. Correspondence which had passed between the secretary and the Ministry in connection with N.H.S. prescriptions ordering adrenaline cream and chloramphenicol ear drops had been considered and, as a result, the joint formulary committee was to be asked to consider adding formulas for the two preparations to the National Formulary. The Ministry would be asked to increase the minimum rate of payment on account to new contractors.

SHARE MOVEMENTS, April to June

BY A FINANCIAL CORRESPONDENT

BUSINESS in drug trade company shares on the London Stock Exchange during the second quarter of 1953 was on a smaller scale than during the first quarter and nearly all price movements were against holders, establishing in several instances new low levels for the year. A similar trend, however, was displayed by all other industrial sections and was not confined to the chemical field.

Previous Gains Extinguished

A feature was provided by Reckitt & Sons £1 ordinary which closed about 5s. lower at 82s. 9d. after having been dealt in down to the new low level of 82s. 3d., with shares again transferred on almost every business day and fair-sized orders readily practicable outright. The 3s. 6d. odd gain which these shares recorded during the first quarter of 1953 is thus more than extinguished. More resistance to the general tone was evident for Allen & Hanburys £1 ordinary which closed about 1s. 6d. lower at 60s. 10½d. They also have lost a gain established during the first quarter. Borax Consolidated £1 deferred continued to be dealt in most business days and closed 1s. 9d. down at 33s. 4½d. Fair-sized trading was also done in Glaxo Laboratories 10s. ordinary which finished about 5s. against holders at 38s. 1½d.

Boots Pure Drug 5s. ordinary continued a readily marketable security and were noteworthy in that they closed unaltered at 20s. 1½d. In the meantime they were dealt in as low as 18s. 10½d. Free dealing conditions were also evident for Beecham Group 2s. 6d. deferred which finished a few pence lower at 11s. 10½d. The forthcoming report of the company for the year ended March 31 is awaited with interest.

The British Drug Houses 5s. ordinary finished about 3s. down at 8s. 4½d., after having been transferred down to the new low level for 1953 of 8s. 1½d. Albright & Wilson 5s. ordinary were to some extent similarly noteworthy as they closed around 3s. lower at 15s. 3d. Greif Chemical Holdings 5s. ordinary closed 2s. 3d. lower at 14s. 3d. Smith & Nephew & Associated Companies' 4s. ordinary closed 3s. down at 18s. (that is, their existing low level for 1953).

Regular trading continued to be done in Monsanto Chemicals 5s. ordinary which finished 1s. 3d. lower at 20s. 6d. after having been dealt in down to the new low level of 19s. 6d. Ilford 5s. ordinary were the centre of fairly regular dealings and resisted the general trend by closing just a few pence off at 13s. 1½d.

Against General Trend

Resistance to the general trend was also evident for Yardley & Co. 4s. ordinary which were valued 1s. 4½d. better at 22s. 10½d., after having been valued at the new high level for 1953 of 23s. 3d. Trading however was of such small volume and intermittent character that it is doubtful whether these figures can be regarded as having been adequately tested or established. Firmness was also evident for Vitamins 1s. ordinary which closed sevenpence-halfpenny higher at 2s. 6d. Elsewhere in the lowest-priced section, Solidol Chemical 2s. ordinary were valued threepence down at sixpence. Dufay 2s. ordinary were also priced about threepence against holders at sixpence-halfpenny.

In the preference share section, several firm features developed. A good one was evident in Taylors Cash Chemists (London) 6 per cents which finished 1s. 1½d. better at 21s. 6d. Taylors Cash Chemists (Trust) 6 per cent. also closed 1s. 1½d. better at 21s. 6d., a new high record price.

Beecham MacLean Holdings 4 per cent. were noteworthy in that they closed unaltered at 15s. 9d. after having been dealt in down to the new low level of 15s. meanwhile.

NAME OF COMPANY £1 units unless otherwise stated	1953		LATEST
	HIGH	LOW	
	s. d.	s. d.	s. d.
Albright & Wilson, 5s. ...	18 4½	15 3	15 3
Allen & Hanburys, ord. ...	63 1½	55 6	60 10½
Do. 7% pref'd. ord. ...	23 9	23 3	23 9
Amber Chemical Industries, 2s ...	1 9	10½	10½
Aspro, 5s ...	20 3	16 7½	18 10½
Barclay & Sons ...	30 0	28 9	28 9
Beecham Group, 2s. 6d. defd. ...	12 11	11 3	11 10½
Beecham MacLean Holdings 4% red. cum. pref. ...	16 6	15 0	15 9
Boots Pure Drug, 5s. ...	21 4½	18 10½	20 1½
Boots (Eastern) 6% cum. A pref'd. ...	24 0	22 4½	23 0
Do. (Western) 7% A pref'd. ord. ...	25 9	24 3	25 3
Borax consld. defd. ...	38 0	33 4½	33 4½
British Drug Houses, 5s. ...	12 0	8 1½	8 4½
Dubarry Perfumery, 1s. ...	1 10½	1 4½	1 4½
Dufay, 2s. ...	1 3	6	6½
Evans Medical Supplies, 5s. ...	5 7½	4 3	4 3
Glaxo Laboratories, 10s. ...	45 0	34 0	38 1½
Do. 10s. 8% cum. pref'd. ord. ...	14 9	13 4½	14 9
Greif Chemical Holdings, 5s. ...	17 1½	14 3	14 3
Howards & Sons ...	20 9	16 10½	16 10½
Do. 5½% cum. pref. ...	16 10½	16 10½	16 10½
Ilford, 5s. ...	15 10½	12 5	13 1½
Monsanto Chemicals, 5s. ...	24 4½	19 6	20 6
Reckitt & Sons ...	89 6	82 3	82 9
Savory & Moore 5½% red. cum. pref. ...	19 0	17 7½	19 0
Smith & Nephew & Associated Companies, 4s. ...	21 1½	18 0	18 0
Solidol Chemicals, 2s. ...	11	3	6
Southalls (Birmingham), 5s. ...	25 6	21 3	21 3
Taylors (Cash Chemists) London 6% cum. pref. ...	21 6	19 4½	21 6
Taylors (Cash Chemists) Trust 6% cum. pref. ...	21 6	19 4½	21 6
Vitamins, 1s. ...	2 6	1 10½	2 6
Whites, Timothy, & Taylors, 5s. ...	31 7½	26 6	30 10½
Do. 7½% cum. pref. ...	27 0	24 6	26 10½
Wright, Layman & Umney ...	19 6	19 0	19 6
Yardley & Co., 4s. ...	23 3	22 10½	22 10½
Do. 4s. A ...	24 6	19 10½	22 10½
Do. 4½% second pref. ...	17 3	16 9	17 0

A PHARMACIST'S ANTHOLOGY

"COME," said Mr. Winkle, as the boy retired, "things are not quite so bad as you would have me believe, either. There is *some* medicine to be sent out." Mr. Bob Sawyer peeped into the shop to see that no stranger was within hearing, and leaning forward to Mr. Winkle, said, in a low tone: "He leaves it all at the wrong houses." Mr. Winkle looked perplexed, and Bob Sawyer and his friend laughed. "Don't you see?" said Bob, "he goes up to a house, rings the area bell, pokes a packet of medicine without a direction into the servant's hand, and walks off. Servant takes it into the dining-parlour, master opens it, and reads the label: 'Draught to be taken at bedtime—pills as before, lotion as usual—the powder. From Sawyer's, late Nockemorf's. Physicians' prescriptions carefully prepared,' and all the rest of it. Shows it to his wife—*she* reads the label; it goes down to the servants—*they* read the label. Next day, boy calls: 'Very sorry—his mistake—immense business—great many parcels to deliver—Mr. Sawyer's compliments—late Nockemorf.' The name gets known, and that's the thing, my boy, in the medical way. Bless your heart, old fellow, it's better than all the advertising in the world. We have got one four-ounce bottle that's been to half the houses in Bristol, and hasn't done yet."—*From the "Pickwick Papers," by Charles Dickens.*

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Offers invited for lease of each of four lock-up shops on the Putney Vale Estate. Preference will be given to the following businesses:—Chemist (Dispensing); Greengrocer; Fishmonger; Butcher, Bread and Confectionery; Hardware; but other applications will be considered, except Grocery, Newsagent, Sweets and Tobacco.

Plans of shops may be inspected at Offices of Housing Estates Manager, Municipal Buildings, S.W.18, and applications on official form obtainable from the Housing Estates Manager must reach me by noon 31st July, 1953.

R. H. JERMAN,
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ADMIRALTY PHARMACISTS

Applications are invited from qualified Pharmaceutical Chemists or Chemists and Druggists for posts as Pharmacists in R.N. Hospitals and Medical Depots at Home and Abroad. Salary scale £450 x £25—£575. Starting pay according to previous professional experience, but candidates under 23 would enter at appropriate point below minimum quoted. Allowance of £25 a year payable in addition to holders of recognised qualifications higher than normal M.P.S. Foreign Service Allowance payable overseas. Prospects of promotion to higher ranks. Superannuation benefits under National Health Service (Superannuation) Regulations 1950: deduction of 6 per cent. made from salary on that account. (Pharmacists due to be entered for compulsory National Service cannot be accepted as candidates). Apply to Medical Director-General of the Navy, Admiralty, Queen Anne's Mansions, London, S.W.1. C 5628

CRUMPSALL HOSPITAL, MANCHESTER, 8

(Adult General, 1,225 Beds)

Applications are invited from Pharmacists (aged 23 years and over) for the post of Pharmacist at this Hospital. Salary and conditions of service as laid down by the Whitley Council, commencing at £450 per annum at 23 years of age and over, rising by annual increments of £25 to a maximum of £575 per annum. The post is subject to the National Health Service (Superannuation) Regulations 1950.

Applications, stating age, nationality, details of experience, together with the names and addresses of two referees, are to be sent to the undersigned as soon as possible.

A. T. SAMPSON,
Group Secretary.
C 155

HARROGATE AND RIPON HOSPITAL MANAGEMENT COMMITTEE ROYAL BATH HOSPITAL, HARROGATE

Applications are invited for the post of CHIEF PHARMACIST (male or female) at the above hospital. This hospital is one of a Sub-group of four hospitals, and the pharmacist will be responsible for dispensing, etc., in respect of the four hospitals.

Salary will be in accordance with the scale £575 x £25—£675 per annum. The appointment will be subject to Whitley Council conditions of service, and the National Health Service Superannuation Regulations.

Applications giving details of age, qualifications and experience, together with the names and addresses of two referees to be forwarded immediately to the Group Secretary, Hereford Lodge, Cornwall Road, Harrogate. C 5647

HILL END HOSPITAL, ST. ALBANS, HERTS

CHIEF PHARMACIST (Locum Tenens), non-resident, male or female, wanted for a period of about seven weeks from the beginning of August 1953. Salary fourteen guineas per week. Apply, stating full particulars of experience to Medical Superintendent, Hill End Hospital, St. Albans, Herts. C 5576

HULL (A) GROUP HOSPITAL MANAGEMENT COMMITTEE HULL ROYAL INFIRMARY

Applications are invited for the post of SENIOR PHARMACIST.

Salary and conditions of service in accordance with the Pharmaceutical Whitley Council decisions £525 x £25—£625 per annum, plus a special allowance of £25 per annum for recognised higher qualifications. The post is also subject to the National Health Service Superannuation Regulations. Applications to the Hospital Secretary. C 5631

HACKNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, LONDON, E.9

PHARMACIST required for Hackney Hospital, Whitley Council salary and conditions. Applications to Secretary, Hackney Group Hospital Management Committee, London, E.9. C 156

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS

SENIOR PHARMACIST required at the above hospital. Salary and conditions of service in accordance with Whitley Council Scale. Applications, stating age, qualifications and experience, together with the names of two referees, should be forwarded to the Chief Pharmacist as above. C 5577

SHEFFIELD NO. 1 HOSPITAL MANAGEMENT COMMITTEE

LOCUM PHARMACIST required for relief duties at the City General Hospital, 15 gns. per week.

Apply, giving full details (including period for which available) to the undersigned at Nether Edge Hospital, Sheffield, 11.

W. STANSFIELD,
Secretary.
C 5652

WEST MIDDLESEX HOSPITAL (SOUTH WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE)

LOCUM PHARMACIST required from July 1 to October 31, 1953. Salary £12 12s. per week.

Applications, stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5649

WEST MIDDLESEX HOSPITAL

Assistant in Dispensing required at West Middlesex Hospital for indefinite period. Salary at the rate of £320 per annum at age 22 or over, plus London Weighting. Hospital experience an advantage. Post-graduate Student considered. Salary in accordance with Whitley Council Agreement. Apply (in own handwriting) giving full details of training, experience, etc., to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5650

WEST MIDDLESEX HOSPITAL (SOUTH WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE)

Pharmacist required at above Hospital. Salary scale £450 x £25 to £575 plus London Weighting. Higher qualification allowance £25 per annum. Whitley Conditions applicable. Applications stating age, qualifications and experience with names of two referees to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 5648

Appointments—Continued

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1

PHARMACIST. A vacancy exists at St. Bartholomew's Hospital, London, E.C.1. Salary in accordance with the Whitley Council Scale. Write, enclosing two copies of testimonials to the Pharmacist. C 5633

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word. Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

RETAIL (HOME)

BECKENHAM, KENT. Young unqualified lady required for dispensing and book-keeping in high-class pharmacy in good residential area, ten miles from London. Modern dispensary. Half-day Saturday. J. D. Millar, Park Langley, Beckenham, Tel.: Bec. 1213. C 3966

CHRISTCHURCH, HANTS. Pharmacist (lady preferred) required for new business in main road. Eventual partnership to suitable applicant. Please write in confidence giving details of qualifications, etc., to Box C 3940.

CITY PHARMACY requires dispensing assistant accustomed to N.H.S. Permanency. Apply with full particulars to B. Hooper & Co., 6 Railway Place, Fenchurch St., E.C. C 3898

E.15 DISTRICT. Pharmacist, mainly dispensing duties, hours 9-7; Thursday 9-1. No Sunday except rota. Staff kept for clerical work, window dressing, etc. Comfortable position, permanent, would suit middle-aged person. £832, plus rota fees and commission. Box C 3985.

FRANCIS & CO., Chemists, Wrexham, require additional lady or gentlemen pharmacists to supplement qualified staff. Congenial position, reasonable hours, and excellent support. Good salary offered. Please give full particulars in first letter. C 3997

HAYES, MIDDLESEX. Excellent opportunity for ambitious pharmacist to take over management of busy branch. Good dispensing and photographic departments, well-fitted shop with adequate supporting staff. Generous salary and commission, pension scheme, etc. Apply to Box C 3992.

LEICESTER. Genuine opportunity for young pharmacist with initiative to manage branch business. Good salary and generous share of net profits. Existing holiday arrangements honoured. The chance you have been waiting for. Sampson, Fullhurst Avenue, Leicester. C 3973

MAIDSTONE. Qualified assistant required for duties mainly in Dispensary. Vacancy occurs early August. Stonham & Son, Ltd., 70 Bank St., Maidstone. C 3979

MANAGER, lady or gentleman, for modern pharmacy. No rota, holiday or Sunday duties. Hours 9 a.m. to 6.15 p.m. 1½ hours lunch, £850 p.a. Accommodation for single person. Apply Pleasance Pharmacy, 2 Odeon Parade, Eltham, S.E.9. Telephone: Eltham 3344. C 3972

NORTH FINCHLEY. Pharmacy manager required for nicely fitted branch in pleasant area. Modern, self-contained flat over business available with garage space. Middle-class family type business with opportunity for optics if required (optional). Good salary and commission, permanency, superannuation benefits. Apply to Box C 3993.

PHARMACIST REQUIRED as manager for South London pharmacy. Good prospects. Commencing salary £728 per annum with tenancy of attractive modern semi-detached house in Streatham, 30 minutes from the business. Also, qualified lady or gentleman required as assistant pharmacist. Temporary or permanent position. J. W. Douglas, Ltd., 164 Lambeth Walk, S.E.11. C 160

PHARMACIST (male) required as assistant manager. Good prospects. Superannuation scheme, Hours 9 a.m. to 5.30 p.m. and 1 p.m. Saturdays. No Sunday or holiday duty. Apply in writing, stating age, experience and salary expected, to Staff Manager, Army & Navy Stores, Ltd., 12 Artillery Row, S.W.1. C 152

QUALIFIED WANTED for relief, few hours daily, very light duties. Suitable for elderly or semi-retired person. Mutual arrangement of remuneration according to hours desired, Near Wanstead, E.11. Please reply Box C 3984.

SCOTTISH CO-OPERATIVE WHOLESALE Society, Limited, invite applications from Pharmacists to fill vacancy for Technical Supervisor of the Society's Retail Drug Department (41 branches) and assist manager. Optical qualifications an advantage, but not essential. The situation carries good salary and entry to the Society's Superannuation Fund within certain age limits. Applications in writing stating age and experience should be sent in envelope endorsed "T/S" to: Mr. John A. Stirling, Secretary, S.C.W.S., Ltd., 95 Morrison Street, Glasgow, C.S. C 3964

SOUTH STAFFORDSHIRE. Qualified manager required. Private company. Good opportunity for active man. Excellent self-contained flat. Good salary and profit sharing arrangement. State age, experience, whether married, etc., to: A. S. Price & Co., Ltd., 181/2 High Street, Blackheath, Birmingham. C 3988

STAMFORD. Pharmacist required to manage new main-road branch. Salary, including bonus and rota fees, £800 per annum to commence. Very attractive self-contained flat with garden available at a reasonable rent. Holiday this year. This is a permanency with excellent conditions of employment, including 44-hour week and superannuation. Apply, giving usual details to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough, Northants. C 3904

STOKE-ON-TRENT. Pharmacist (lady or gentleman) required as branch manager. Modern pharmacy, 44-hour week, good employment conditions, including superannuation. Also pharmacist to manage main shop and assist superintendent manager. State wages required. Apply, Superintendent Pharmacist, Burslem and District Co-operative Chemists, Ltd., Market Place, Burslem, Stoke-on-Trent. C 3608

STRATFORD, LONDON. Unqualified dispensing assistant required, lady or gentleman, £8 per week. Comfortable permanency. Particulars to Box C 3983.

SUBURBAN ESSEX. There is an excellent opportunity for a pharmacist with initiative as branch manager in the above area. Good salary and commission, payment for all rota duties. Attractive modern house with garden and garage. Permanency with promotion prospects and pension fund. Applications, giving details of experience and stating when free for interview, to Box C 3927.

UNQUALIFIED ASSISTANT, young, either sex, required for E. Finchley pharmacy. Fully experienced counter and dispensing. Apply with details age, experience, salary required to J. Sharott, 25 Aylmer Parade, N.2, or phone Gladstone 9168 after 7 p.m. C 3982

LOCUMS WANTED

LOCUM PHARMACIST required for London and Suburban areas, long or short periods, June-October. Permanency at conclusion of tour if desired. Salary and expenses basis. Apply to H. Warburton, M.P.S., Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 3928

RETAIL (OVERSEAS)

TWO PHARMACISTS, single men, required for retail service in East Africa. Starting salary £810 per annum x £30 to £900 x £50 to £1,100 per annum, including local leave followed by home leave on full basic pay. Kit allowance and free passage both ways. Contract renewable at end of tour by mutual agreement. Applicants must hold M.P.S. qualification of Great Britain or Northern Ireland. Apply, in writing, giving qualifications and experience, Box C 5609.

WHOLESALE

A **WELL-KNOWN** firm of manufacturing chemists whose products are distributed throughout the trade, has a vacancy for a live sales manager, not over 45 and competent to undertake sales organisation and promotion both at home and abroad. Contacts with principal wholesale buyers and departmental stores essential and the position is a progressive one calling for first-class ability. Write to Box C 3987.

AGENT OR TRAVELLER required by wholesaler for compacts, brush sets, powder puffs, toilet bags, etc., with car and live connections. Good references. Box C 3981.

ALLEN & HANBURY, LTD., Bethnal Green, E.2, require pharmacist as assistant to manager of drug department. Excellent opportunity to acquire experience of wholesale drug trade in an organisation large enough to offer opportunities for internal promotion. The post is pensionable—five-day week. Apply, in writing, giving details of age, qualifications and experience, to Personnel Manager. C 5640

AN EXPANDING COMPANY marketing an exceptionally fine range of proprietaries has vacancies on the following territories for creative salesmen with personality and drive:—(a) Northumberland, Cumberland, Westmorland and Durham. (b) Buckinghamshire, Berkshire, Oxfordshire and Hampshire. (c) Essex, Kent and South-East London. (d) Surrey, Sussex and South-West London. Applicants must be car owners, preferably between ages 30 and 45, with successful pioneering record and established connections with retail and wholesale chemists and Co-operative Societies. Products are superbly presented and outstanding in their field. Positions congenial and progressive. Please send full confidential details including past and present employment with lines carried, age, experience and commencing remuneration expected, Box C 3990.

ASSISTANT REQUIRED to work under Chief Chemist in laboratory development work, and assist in general supervision of factory production. Male or female, with some pharmaceutical and/or cosmetic background preferred. Apply GMH/JUT, F. W. Hampshire & Co., Ltd., Sinfen Lane, Derby. C 5653

AYRTON SAUNDERS & CO., LTD., ANALYST REQUIRED

Applicants should have Ph.C. or equivalent qualification and preferably have had some experience. Age under 35, Salary according to qualifications and experience, 5-day week. Pension scheme. C 5665

BACTERIOLOGIST. Wanted by a well-known firm of manufacturers of biological and pharmaceutical products a qualified bacteriologist to investigate both veterinary and medical problems. A knowledge of veterinary bacteriology and particularly the production of sera and vaccines would be an added advantage. The place of work will be in the Cambridge and Newmarket area and the salary will vary according to experience. Box C 5599.

CHEMIST REPRESENTATIVES. Two keen young men required by well-known manufacturing chemists to call on chemists, wholesalers, etc. Established connections handed over with excellent prospects. Preferably car owners. One for (a) London and South Coast Counties and the other (preferably residing in Manchester area) for (b) Lancashire, Yorkshire and North Wales. Remuneration by salary, commission and expenses. Full details age, previous experience, earnings, etc., to Box C 5641.

EXPERIENCED REPRESENTATIVE required for Kleenex and Kotex to cover the Midland Counties of Derby, Staffs, Leics, Notts and Warwick. Position is progressive, and remuneration is by salary and expenses. Qualifications necessary are: (1) Reside on territory; (2) sound connection with retail chemists in the Midlands; (3) possess own car. Applications, in confidence, to Sales Manager, Cellucotton Products, Ltd., 33-34 Aylmer Parade, London, N.2. C 5657

EXPORT

Leading company, now actively expanding Continental markets, requires sales executive trainee for export department. The individual required should have a sound commercial background, although not necessarily in the export field, with recent experience in sales office or general departmental control and administration. Full details of age, languages, experience, salary, etc., to Box C 5644.

EXPORT-PHARMACIST required by manufacturing chemists to take eventual control export section. Similar export experience desirable. Applicants should give full particulars, education, commercial background, etc. Box C 5654.

FOREMAN required by tablet manufacturing company to take charge of tableting and coating. Must have experience in both operations. Five-day week, canteen, etc. Write giving details of experience, age and salary required. Box C 5661.

GENATOSAN, LTD., of Loughborough, a member of the Fison Group, require a trade representative for a territory comprising Kent, and the East and South-east Metropolitan postal districts. A man with a real interest in selling is required, with a good personality, enthusiasm and ability. A pharmaceutical qualification or background is an advantage. This post is well remunerated and superannuated. Full personal details and summary of attainments and experience, together with a recent photograph if possible, should be addressed to: The Personnel Officer, Genatosan, Ltd., 12 Derby Road, Loughborough, Leics. Please quote Ref. S/TR.2.. C 5645

STEMCO LIMITED

Manufacturers and distributors of Flit Insecticide, Pharmaceutical and Petroleum Products, require sales representative for the area Derbyshire, Nottinghamshire, Leicestershire, Lincolnshire. Applicants should be car owners and not over 40 years of age, preferably with experience of selling to wholesale and retail chemists. Remuneration by salary, commission, expenses and adequate car allowance. Pension scheme in operation. The position offers an excellent opportunity for man with proved selling ability. Applications, marked personal, with full particulars to Specialty Sales Manager, Stemco, Limited, 128/132 Albert Street, N.W.1.

C 5668

Situations Open—Continued

KEEN ABLE SALESMEN with established connections:—1, Lancashire and Cheshire; 2, Westmorland, Cumberland, North Lancashire; to sell surgical dressings and speciality sundries on whole time or on agency basis with expenses allowance. Full details of experience, age, from men able to obtain results. Box C 5629.

LEEDS AREA. Representative required by London firm, must have good knowledge of surgical instruments and hospital equipment. Previous experience essential and connections an advantage. Good salary and bonus, with car if required, for suitable applicant. Apply JGE Dept, Box C 5658.

MEDICAL REPRESENTATIVE required by old-established London House to visit doctors, hospitals and chemists in Yorkshire, Northumberland, Durham and Greater London. Applicants should be of good appearance and address, have had experience of good class pharmacy, and be possessed of a comprehensive knowledge of medical nomenclature and of pharmacology. Applications invited from men between the ages of 25 and 35. Please give details of experience, age, salary required, and when services available. Box C 158.

MEDICAL REPRESENTATIVES REQUIRED by manufacturing chemists of international repute, for following areas: (1) Yorkshire and Lake District; (2) Birmingham and Midlands; (3) Manchester and E. Lancashire; (4) Portsmouth and S.E. England. Applicants should not be over 40 and have pharmaceutical or medical background. Car provided. Contributory pension fund. Write, in confidence, with full details of experience, stating age and salary required to Box C 5619.

OWING TO REORGANISATION and expansion in their medical representative staff a well-known ethical firm invite applications for vacancies in the following areas: (1) Cheshire including N. Staffs; (2) Gloucester and N. Somerset; (3) Birmingham and district. Previous experience while desirable is not essential but a sound pharmaceutical background, good appearance and a keen urge to succeed is essential. Remuneration by salary, commission and expenses. Write, in confidence, to Box C 5618.

POTTER & MOORE, LTD., have a vacancy for a first-class perfumery and toilet preparations representative to cover the Midlands. Must have a good connection with chemists, stores and wholesalers. This is a superannuated appointment carrying good salary, commission, etc. Car supplied. Apply by letter with full particulars as to age, previous experience, etc., to Lavender House, Seymour Rd., London, E.10. C 5664

REQUIRED in a factory manufacturing food preparations and pharmaceutical products, assistant works chemist for departmental control. Knowledge of Malt Extract manufacture or brewing an advantage. Factory is situated in the Home Counties. Apply giving all details, including salary required to Box C 3978.

STAFFORD ALLEN & SONS, LTD., require an assistant analyst for their Suffolk Works, preferably with experience of alkaloidal assays. Five-day week, pension scheme. Salary according to qualifications and experience. Write: The Directors, Stafford Allen & Sons, Ltd., Long Melford, Sudbury, Suffolk. C 3918

TABLET COATER required by well-known manufacturing tablet makers. First-class opportunity for experienced man. Five-day week, canteen, etc. Write giving details of experience, age and salary required. Box C 5660.

TABLET MACHINE OPERATOR required. Fully experienced. Apply Pharmacist, Sandoz Products, Ltd., North Circular Road, Stonebridge Park, N.W.10. C 3963

TRAVELLER REQUIRED. Salesman/representative required with previous experience in selling bottles, jars and screw caps. Write giving full particulars in first instance to Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 5567

YOUNG MAN required to assist in manufacture of medicinal creams. Write stating age, experience and salary required to Box C 3872.

WHOLESALE (OVERSEAS)

BRITISH WEST AFRICA. May & Baker, Ltd., Dagenham, Essex, invite applications for two representatives to be based on Lagos where there is a subsidiary company. The positions will appeal strongly to young unmarried pharmacists and offer interesting, remunerative and progressive careers. Experience in hospital or retail pharmacy is desirable although full training will be given prior to appointment overseas. Tours of duty are of short duration and generous home leave is granted. Apply, giving full details of qualifications and experience to the Personnel Officer. C 5656

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word.
Box 1/-

RETAIL (HOME)

AUSTRIAN LADY (22), fully qualified, would like to find chemist's family where she could assist in home and/or shop. Remuneration not an important consideration. Preferably London. Box C 3980.

UNQUALIFIED. Counter, dispensing, photo, expert surgical fitter, prize window displays, part-time or whole later. Advertiser, 457 Mitcham Rd., Croydon, Surrey. C 3991

WHOLESALE

EXPERIENCED REPRESENTATIVE, resident South Wales, seeks situation. Sound pharmaceutical connection, agencies considered. Box C 3948.

LONDON REPRESENTATIVE desires change. Well experienced with strong connection throughout London including City and West End. Car owner. Box C 3868.

TECHNICAL PROBLEMS. Pharmacists with wide experience of manufacturing and other technical problems, offer their services as consultants. Strictest confidence assured. Box C 3989.

AGENCIES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

AGENTS REQUIRED (all territories), good connection with agricultural chemists, seedsmen. Good terms to right men. Box C 5666.

AGENTS REQUIRED to cover the British Isles, to carry the new "Nylo-Puff" (Nylon Powder Puffs). Write:—Nylo Puff, Ltd., 91a High Street, Camberley, Surrey. C 3974

M.A.A.—The badge of a good manufacturer's agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), 8 Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

THE NATIONAL NEEDLE COMPANY, well-known Hypodermic Needle Manufacturer would like to contact firm of repute having the facilities to manage the sales and sole world distribution of their branded hypodermic needles. Only concerns with the appropriate sales organization and entree to handle this important project should apply. All correspondence will be treated in the strictest confidence. Correspondence please to:—

THE NATIONAL NEEDLE COMPANY BEOLEY MILLS, REDDITCH, WORCS.

C5528

REPRESENTATIVES calling on photographic chemists who would like to carry photograph albums, photograph mounts, etc., as additional lines on a straight commission basis please write to B. L. Slater & Co., Ltd., 84 Wandsworth High Street, London, S.W.18. C 3996

SALES ORGANISATION. Agents, own car required for all areas for toilet soaps and requisites. Good connections with stores, chemists and wholesalers essential, all existing store accounts handed over. Write fully on area covered and present representations. Box C 3899.

AGENCIES WANTED

8/6 for 36 words (min.) then 3d. per word.
Box 2/-

AGENCIES WANTED, MALTA G.C. Wholesale importing firm, well-established, enjoying excellent relations with chemists and druggists solicit additional agencies direct from manufacturing firms. First-class U.K. trade references available. Apply Box C 3986.

AGENT covering the wholesale, multiple and store trade of London and Home Counties is now able to take an additional agency. Advertiser has a 20 years' connection. No retail. Box C 3950.

BUSINESS OPPORTUNITIES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

CAPITAL. Capital, production and sales facilities are available for the development of one or more good toilet preparations or medicinal products. Only items which have already sold more than £20,000 in a recent year can be considered. Outright purchase or profit-sharing arrangement. Replies, which will be treated in the strictest confidence, should be addressed to D. R. Collins, Managing Director, Goya, Ltd., Amersham, Bucks. C 5615

INJECTION MOULDING. Capacity available, modern plant, long runs essential. Lewis Woolf, Ltd., 144 Oakfield Road, Selly Oak, Birmingham, 29. C 5651

MANUFACTURING CHEMISTS with distributing facilities required to take over manufacture and distribution of nationally advertised toilet preparations of many years' standing, with 1,500 open accounts, or merger of sales staff considered to reduce overheads on owner's retirement. Write Box C 5642.

WANTED

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

ALL KINDS OF BOTTLES, JARS, CAPS, cartons, packaging materials and manufacturers' stocks of all kinds, bought at fair prices for spot cash. Send full particulars to Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 153

GLYCERINE pale straw and B.P., 2 tons required. Offers to Box C 5667.

WANTED: Surplus or redundant merchandise, clearance goods of any description or discontinued lines. Cash immediately, no delay. Our representative will be pleased to call or, alternatively, please send samples with particulars, quantity and price. Lawrence Edwards & Co., Ltd., 6-7 Wellington Close, Ledbury Rd., London, W.11. Telephone: Bayswater 4020. C 140

WANTED: Prime yellow carnauba wax and fatty grey carnauba wax; ouricuri; candelilla; beeswax; copper sulphate, 98/100%. Box C 5659.

IMPORTANT

Box Office numbers are intended exclusively for specific answers to particular advertisements and Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

1 DORMANT PLATFORM weighing machine, size 48 in. x 48 in. cap. 10 cwt., and 450 kilos, English and metric No loose weight steelyard. Price £50. Apply Box C 3976.

BICARBONATE OF SODA B.P. in 4- and 8-oz. Littlejohn drums at very competitive prices. Sample and quotations on request. Also saccharin and aspirin tablets. Samples and prices sent on application. TcII Products, Ltd., Welbeck Works, 93 Cobbold Road, London, N.W.10. Telephone: Willesden 6873. C 149

FOR SALE, heavy-duty Hennig and Martin tablet machine fitted motor, 3 phase, 415 volts, a.c. Together with over £50 worth of punches and dies, good condition. Offers over £80 to W. Smith, 7 King Street, Alfreton, Derby. C 3975

MODERN CHEMIST SHOP fittings, drug ranges, wallcases and frameless sliding doors, display counters and showcases; all styles of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist Shop Fitters and Shop Front Builders, 14-16 Manchester St., Liverpool. C 141

OPTICIANS! For a comprehensive prescription service try Sheaf Optical Works, Ltd., 40 South St., Sheffield, 2 (telephone: 24434). Solid and fused bifocals and rimless work a speciality. C 154

RECONDITIONED EX-ARMY HUTS, and manufactured buildings. Timber, asbestos, Nissen-type, hall type, etc. All sizes and prices. Write, call or telephone. Universal Supplies (Belvedere), Ltd., Dept. 90, Crabtree Manorway, Belvedere, Kent, Tel.: Erith 2948. C 138

SACCHARIN TABLETS. Government standard strength. Packets of 100, 1 gross lots 49/- gross; 5 gross lots, 48/6 gross. Special prices for larger quantities. Registered post by return. Agnew & Simpson, Ltd., 81-87 Oxford St., Glasgow, C.S. C 5275

SALES BY AUCTION

18/- per half-inch (min.) and pro rata.
Box 2/-

A. H. BULL, LTD., BROAD ST., READING (By Order of the John Lewis Partnership who have sold the above premises) B. NORMAN & SON will sell by Auction on the premises, as above, on Wednesday, July 22 and the following day at one o'clock each day the valuable store equipment including the appointments of the perfumery, chemists, stationery and fancy departments and comprising numerous wall fittings, plate-glass counters, counter cases, self-service trays, mirrors, cash registers, display stands, office items, etc. View 2 days prior. Catalogues (6d. post free) of the Chartered Auctioneers, 2/5 Little Britain, London, E.C.1.

PALMERS STORE, HAMMERSMITH. A similar sale of store equipment will take place on the premises on August 25 and following days. Catalogues 1/- post free on application to the Auctioneers, 2/5 Little Britain, E.C.1. C 5655

TRADE MARKS

THE TRADE MARKS set out below were assigned on October 10, 1952, by Ortho Pharmaceutical, Limited, of Lane End, High Wycombe, Bucks, to Ortho Pharmaceutical Corporation, of Raritan, State of New Jersey, U.S.A., without the goodwill of the business in which they were then in use. No. 531553; Mark, Ortho-Gynol; Goods, chemical substances for use in medicine and pharmacy. No. 531553; Mark, Ortho-Gynol; Goods, instruments, apparatus and contrivances not medicated, for surgical or curative purposes or in relation to the health of men or animals. No. 645760; Mark, Nutri-Sal; Goods, pharmaceutical douche powders containing chemical salts. No. B645758; Mark, Ortho; Goods, appliances (being surgical instruments) for administering vaginal creams or jellies. No. B660250; Mark, Ortho-Creme; Goods, medicated creams for vaginal use. No. B661918; Mark, Ortho and shield device; Goods, pharmaceutical substances for human use and veterinary use and sanitary substances. No. B661919; Mark, Ortho and shield device; Goods, appliances, instruments and apparatus for medical and surgical purposes. C 5646

MISCELLANEOUS

DEVELOPING and printing to the trade. Standard prices, same day service. Developing, printing, enlarging, copying and colour work. Quality, speed and service. Ashwells Photographics, Alexandra Road, Spalding. C 5328

The C and D WEEKLY LIST OF PRICE CHANGES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent; † = Tax 75 per cent.

ASHWOOD TIMBER INDUSTRIES, LTD.

Tongue depressors 1,000
6 x 1/2 in. 17 9 R

W. B. CARTWRIGHT, LTD.

Moorland indigestion tablets I.R.P.
40 1 0
80 1 11

CURACHO CO.

	Doz.		
Human Curacho*	6-oz.	37 6	3 11 1/2 R
	3-oz.	22 6	2 4 1/2 R
Veterinary Curacho*	6-oz.	31 10 1/2	3 4 1/2 R
	3-oz.	16 10 1/2	1 9 1/2 R
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FIGURES IN THE PHARMACEUTICAL WORLD

SIR HUGH LINSTEAD, O.B.E., Ph.C., M.P., who received his knighthood in the Coronation Honours list "for political and public services," would be the first to admit that external circumstances rather than progress towards a definite objective determined his career.

His entry into pharmacy was prompted by his father, the late Edward Flatman Linstead, Ph.C., of Burroughs Wellcome & Co., who had contemplated that his three sons might one day control a pharmaceutical enterprise in which the eldest would be the pharmacist. Hugh, accordingly, embarked upon a pharmaceutical apprenticeship with Fitch & Ibbotson, Ltd., Lower Seymour Street, London, W.1, followed by a year with the late Charles Stevens of Hampstead. However, the projected family business never materialised. After qualifying at the Society's school, to which he went as Bell scholar in 1921, and after experience with Bradley & Bourdas, Pont Street, S.W.1, Hugh Linstead returned to the Square as demonstrator in pharmacy with the late Professor Greenish, and in 1925 became assistant secretary of the Pharmaceutical Society under Sir William Glyn-Jones. In his schooldays at the City of London School he had been on the classical side, and in the evenings he studied at Birkbeck College for his Bachelor of Arts degree which, however, he never took. Instead, he entered for the Middle Temple and was called to the Bar in 1929. In the meantime Sir William had been invited to Canada to form the Canadian Proprietary Articles Trade Association. Sir Hugh deputised for him at home and in 1926 succeeded him as secretary and registrar of the Society.

1926 saw the appointment of a Departmental Committee on the Pharmacy Acts, and out of the Committee's report came the Pharmacy and Poisons Act, 1933 (and, at second remove, the Pharmacy and Medicines Act, 1941). The passage of the measure through Parliament demanded a long series of negotiations in which both the then president (the late Mr. A. R. Melhuish) and the secretary were heavily involved and in which the administrative abilities of Sir Hugh were seen to their best advantage. The resulting Act was a turning-point in pharmaceutical history, placing the government of the profession firmly in the hands of the Pharmaceutical Society's Council.

No sooner had the reorganisation of the Society's affairs been completed than Sir Hugh found himself involved no less intimately in the national emergency which became the war of 1939-45. For some ten years before it began to function early in 1939, the Central Pharmaceutical War Committee had been in existence as a paper scheme. The Committee's activities involved its secretary in long and intensive administrative work of which little was heard at the time and little has been recalled since. No doubt the fact that it was taken so much for granted was a tacit tribute to success.

In the meantime, the legislation affecting pharmacy had heightened pro-



7. SIR HUGH LINSTEAD, O.B.E., Ph.C., M.P.

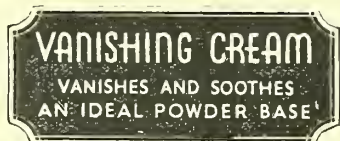
fessional awareness of the need for parliamentary representation. In 1941, his fortieth year, Sir Hugh made an approach to the Central Office of the Conservative Party, and when a vacancy occurred at a by-election in Putney in the following Spring. He was selected by the local Conservative Association to contest it. His success then was repeated in the 1945 "landslide" from the Conservatives and in the General Elections of 1950 and 1951. However, the double claims of the Society and the House of Commons put such a strain upon the time and energy of one man that, to allow him to continue his Parliamentary work, the Council appointed Mr. F. W. Adams, a colleague of long standing, as joint secretary and as the Society's registrar. That relief enabled Sir Hugh to accept two important chairmanships: of the Wandsworth Hospital Group (in 1948) and of a Working Party on Hospital Pharmacy (in 1952).

Yet his increasing political interests have by no means led to any

weakening of Sir Hugh's concern for pharmacy. In September he is to be appointed President of the International Pharmaceutical Federation in succession to Dr. Host-Madsen — an office for which he has served a long apprenticeship, having first attended an international congress in London in 1923, and having represented Great Britain on the Federation continuously since 1926, first as a delegate and later as vice-president. His pioneer labours for Franco-British pharmaceutical collaboration are too recent and well-known to need emphasis here.

Something of Sir Hugh's philosophy is to be found in his play, "Jacob Bell and Some Others," written for the Society's Centenary in 1942 and in his 1952 address to the American Pharmaceutical Association in Philadelphia. These show that, although by experience an administrator, he will not accept organisation as the last word. It is not efficiency but men and women that matter. Pharmacy is not a matter of regulations but of the quality of the men and women who practise it.

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Outlook for the Rural Chemist

THE decision not to form an independent Association of Veterinary Chemists (see p. 1), announced by the prime movers in the recent campaign to safeguard the interests of pharmacists in rural areas, is in fact a measure of the success of their efforts to date. Those efforts have caused the Council of the Society to sit up and take notice of the strength and extent of the hostility to the one-sided disciplinary action its circular of 1952 proposed, and have aroused the National Pharmaceutical Union from its first attitude of unconcern to the action of establishing a committee (partly composed of members of its own Executive and partly of practising chemists with veterinary businesses) specifically to consider all matters of concern to chemists in that category. Assuming, therefore, that in practice the new committee fulfils the promise of its being set up, it will achieve, with less effort and at less expense, the results that an independent organisation, with its reputation to make, could achieve.

It is important that chemists in country towns should see that the committee does function as it should, not only because of the issues that have so far been raised, but also in preparation for possible future developments that may bring a new value and prestige to the work of the veterinary and agricultural chemist. In this country so far, little attention has been focused on the subject of phytopharmacy. But, as is pointed out by a French contributor in this issue (p. 15), the emergence of phytopharmacy as a study in its own right has been dictated by events that are not peculiar to France. They are paralleled in Britain, where only "time lag" has prevented them from coming acute hitherto. In this country, equally with France, a new and dangerous class of poisons has in recent years been introduced into agricultural practice, without proper regard to considerations of public safety. In Britain as in France there have been fatalities due to lack of knowledge on the part of distributors and a similar unawareness, in consequence, by users of the products. In Britain as in France the pharmacists are the only people trained and licensed in the distribution of all poisons, and it should only be a question of time before the distribution of all poisonous substances (except within industry) is restricted to them. In France, as our contributor shows, that situation was not arrived at without a certain amount of propaganda by pharmacists clear-sighted enough to discern and present the facts—propaganda later echoed by others. It seems

probable that similar pioneer work may be needed on this side of the Channel, and the N.P.U. committee could do most useful work in backing it up.

Given the vigilance that Messrs. Moss, Horridge and their associates have shown, the future of the chemist's veterinary and agricultural trade, far from disappearing as at one time seemed the trend, may be one of increasing volume and responsibility. The legitimate interests of veterinarians and others are not served by denying those of pharmacists.

Progress Against Animal Diseases

THE state of the many-sided war against animal disease in Great Britain has been summarised concisely in a report published by H.M. Stationery Office (p. 4). In certain battles, like that against tuberculosis in cattle, the last stage has been reached, while in others, such as that against anthrax, the enemy is slowly but, no doubt, temporarily pushing back the attacking forces. Forestalling alarm, the Ministry asserts that the disease is unlikely to assume epizootic proportions in Great Britain, for the bacilli do not multiply in the ground in Britain, though they can survive in it for long periods. In other attacks, as against parasitic mange of horses, the fighting, thanks to a well planned but lengthy campaign, has been declared finished. With Q fever, a human disease of which animals are the chief carriers but show no symptoms, and which was first found in England in 1950, veterinary and human health campaigns are oddly linked. The authors are disappointed that only a small proportion of the pig population in Britain is vaccinated against swine fever, and point out that, if the pig industry is to derive real value from the vaccination, more pigs must be immunised and a regular vaccination programme carried out. The importance of formulation was well shown during work on the treatment of mastitis with penicillin by the Weybridge laboratory, which indicated that the vehicle is more important than the type of penicillin used. The laboratory's contribution to the use of penicillin in feedstuffs weighs heavily, so far as turkeys are concerned, on the side of antibiotics. The fastidiousness of those birds, at least when suffering from black-head disease, may lead to an extension to the veterinary field of the problem of presenting medicine in palatable form.

Manufacturing Costs and N.H.S.

A LETTER has now been addressed by the Minister of Health (on behalf also of the Scottish Department of Health) to certain manufacturers informing them which of their products have been included in categories 2, 3 and 4 by the Cohen Committee as proprietary drugs that may be prescribed in the National Health Service subject to the price being deemed reasonable. The manufacturer is asked to furnish detailed costings of the preparations, and they will be examined by accountants of the Board of Trade, on whose advice the two Health Departments will presumably take action. The preparation of the costing report by the manufacturer, its examination by the Board of Trade, and subsequent discussions between the Department and the manufacturer, will probably take many months. It is not known how far the Board of Trade will take into account manufacturers' expenditure upon research (usually paid for from the profits on their established

products), the requirements of the export trade, and the possibility of serious damage to the export trade if undue restrictions are placed on the home market. The communication is signed by a deputy accountant-general—a fact that indicates an extension of the process of separating responsibility for finance from day-to-day administration. There is now a threefold division in the Ministry with regard to N.H.S. One division is re-

sponsible for day-to-day administration; another for matters of remuneration (including salaries, grading and complements of pricing staff); while the accountant-general's division is responsible for the wholesale prices of drugs. The question must be asked whether matters of wholesale prices (like those of chemists' remuneration) can be handled adequately by a division divorced from routine administration.

Onward from Galen

A CURRENT CAUSERIE

ALLERGY to penicillin and streptomycin caused the absence from work recently (see p. 4 and *C. & D.*, June 27, p. 680) of seventy-three nurses in seventy areas. To guard against further such eventualities the Ministry of Health has issued a circular to appropriate authorities indicating the precautions to be taken. Urticaria in persons giving injections is thought to result from sensitisation of the skin by contact with the solutions, and fortunately it is not common. Streptomycin is suspected of being the worse offender. The precautionary procedures recommended differ markedly, as the Ministry admits, from those usually taught to nurses. They conform, however, with the practice adopted by many doctors. Contamination of the skin with a fine spray, caused by bubbles bursting at the top of the needle when air is expelled from the syringe before injection, is prevented by carrying out the operation with the needle still in the bottle. Care has to be taken to ensure that the piston of the syringe is supported during and after withdrawal so that no more air enters, and to ensure that the needle is firmly attached to the syringe. A second precaution is to use the same needle for withdrawal and injection of the dose, so as to avoid the need for the nurse to handle the solution-wet needle. After use, the syringe is washed with plenty of water and the operator washes his or her hands. Expulsion of air into the stock bottle has objections from the sterility aspect and also from considerations of potency, for there is, of course, a danger of thereby introducing penicillinase-producing organisms into the solution. There is a clear need for a simple and inexpensive device that will avoid the risks of both skin and bacterial contaminations.



THE oldest pharmaceutical business in South Africa, according to the *South African Retail Chemist*, is Heynes Mathew, Ltd., Cape Town. Its origin is traced to 1836, when its proprietors were John Heynes and John Alfred Mathew, pharmaceutical chemists from Britain. Heynes died in 1892 at the age of seventy-eight, Mathew in 1916. In the meantime—in 1910—the business had been converted into a limited company with Hugh Joseph Kinlay and two sons of Mathew as directors. Today the company, which still conducts a pharmacy on the original site in addition to a wholesale section and manufacturing laboratories, is under the direction of Mr. Desmond James Kinlay, M.P.S. It is associated with South African Druggists, Ltd.



IN a review of technical education in Scotland—part of the annual report of the Scottish Education Department, published in Edinburgh by H.M. Stationery Office recently (price 9d.)—attention is drawn to the origins of the Royal Technical College, Glasgow, and the Heriot-Watt College, Edinburgh. Both have been closely associated with pharmacy, and date from so far back as 1800 and 1821. The report recognises that research done by staff and post-graduate students improves the standard of the colleges' teaching work, and for that reason the department has willingly supported proposals by the Central Institutions, of which the above-mentioned colleges are two, to undertake research. Tribute is paid to the devotion and skill

of the teaching staffs and the earnestness of their students, which are obvious to anyone, the report says, who has seen the "teeming activity" of the colleges and schools. The question is posed whether Scotland is in danger of contenting herself too long with her engineering pre-eminence of the early twentieth century, and lagging behind the rapid development of technical education elsewhere. Progress would be maintained only by the closest co-operation between the education department, teachers, employers and employed. So far as pharmacy is concerned it may fairly be claimed that that type of problem has already found its solution.

CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

ANTIBIOTICS AS STRATEGIC MATERIAL

SIR,—The letter of A. H. Snereb in your issue June 27 (p. 691), 1953, articulates what, I am told, many today are thinking and feeling. Some have wished to read an editorial article on the problem. If the issue is as clear as A.H.S. indicates, then what action can be taken? Are such bodies as, say, the Association of British Chemical Manufacturers willing to raise the matter with the Home Government and also with, say, the World Health Organisation, the appropriate United Nations body? The advice of Sir Hugh Linstead, M.P., would be of value.

HORSHAM, SUSSEX

W. FLETCHER

A GESTURE APPLAUDED

SIR,—I note with regret that Messrs. P. C. Cahill & Co., Ltd., have had to discontinue their very original prescription-reading contest in their monthly bulletin. It is a great pity that this should be allowed to happen, as it appeared to me to be an excellent and novel medium for raising money for the Benevolent Fund of the Pharmaceutical Society of Ireland. The idea was well conceived, but failed through lack of interest. Perhaps some young pharmacists would devise a scheme based on local promotional effort, as it is my opinion that lack of local organisation rather than lack of interest *per se* was the real cause of failure. If some such scheme can be elaborated I will be glad to assist in every possible way. In the meantime I feel, Sir, that Messrs. Cahill's gesture should not go entirely unsung and unapplauded. It was a magnificent effort and well worthy of the tradition established by the late revered "P.C."

MULLINGAR

J. K. WHELEHAN

APPRECIATIONS

I HAVE been a regular reader of *THE CHEMIST AND DRUGGIST* for fifty-six years, and I can say without any hesitation that your Coronation number is outstanding as by far the most interesting from every point of view that has appeared during the last half-century.—G.E.H.

HAVING been a subscriber for close on fifty years I feel I must congratulate you on this latest special production which reaches a very high standard indeed in all respects.—R.W.B.

YOU have certainly made a wonderful job of this issue.—B.J.T.

Two Fields of New Activity for the Pharmacist: VETERINARY PHARMACY AND PHYTOPHARMACY

BY DR. HENRI FOUSSARD

REGIONALISM has been stifled to such an extent in France, especially as regards pharmacy, that there is now no difference between a pharmacy in Brittany and a pharmacy in Provence or in the Basque country. However, the pharmacists of the West (Brittany, Normandy, Anjou) differ from the rest in the spirit of solidarity they show in launching a propaganda drive for the development of two new fields of activity of interest chiefly to the country pharmacist: Veterinary pharmacy and phytopharmacy.

Both branches have a greater or less interest for town pharmacists, but rather as individuals. In the West there is taking place a concerted, organised movement of the whole profession.

Veterinary Pharmacy

Although veterinary pharmacy is not an absolutely new subject, it is entering on a new phase of evolution. Pharmacists are, of course, authorised to stock and sell medicaments for the treatment of animals. The volume of their sales, however, is reduced almost to zero by the fact that veterinary surgeons are themselves authorised to stock, prepare and hand out medicaments for the treatment of the animals they are treating personally. The one difference between the two as suppliers is that pharmacists may sell to any customers whatsoever, within the limits naturally, of pharmaceutical legislation, whilst veterinary surgeons may only supply clients whose animals they are treating. On the other hand, the great pharmaceutical speciality laboratories have nearly all established veterinary laboratories which reserve their products to veterinary surgeons only, entirely excluding the pharmacist.

It is therefore easy to see that the whole trade in those products (representing hundreds of millions of francs) is carried on outside the reach of the pharmacy. That is an abnormal situation. Pressing action by the Western pharmacists has resulted in preliminary talks between the official veterinary and pharmaceutical organisations in an attempt to find a *modus vivendi* that will give justifiable satisfaction to both parties.

Under pressure of the same movement, several laboratories have consented to review their position in order to remove the obstacles they have put on freedom of trade and supply pharmacies with their products from now on. Pharmacists do not wish, of course, to deprive veterinary surgeons of their legitimate gains. On the other hand, as their profession consists essentially in the distribution of medicaments, they themselves cannot consent to being dispossessed either. There are, let us repeat, very important matters, in which I believe English pharmacists are also interested.

Phytopharmacy

In phytopharmacy we are dealing with what is for pharmacists an entirely new field of activity. Up to the present, in fact, drugs intended for the control of the enemies of crops have been, in France, open to sale by anyone. No diploma, no guarantee of standing or of competence is demanded from those wishing to carry on trade in those products (even the most dangerous poisons), provided they are for agricultural use.

It has to be admitted, of course, that the introduction of these phytopharmaceutical products is a relatively recent

matter. Indeed, at the end of the past century, when the *Phylloxera* made a great attack, almost destroying the whole of the French vineyards, no means of control was then in existence, and it was necessary to have recourse to the grafting of American slips. It was not until several years later that the first phytopharmaceutical remedy against mildew was created: Bordeaux mixture.

Since then, progress has never ceased, urged on by necessity (the sudden appearance of the doryphora, San José louse, etc.). Faced by such dangers, the State organised the defence of agriculture by a whole series of appropriate measures: Agricultural Inspectors' Corps; phyto-sanitary stations charged with the examination and, if necessary, the treatment of imported vegetables and fruits; Agronomic Research Laboratories at Versailles (to which is attached the Phytopharmacy Laboratory), etc.

At the same time, numerous manufacturers put on the market phytopharmaceutical products, many of which were, alas, valueless and many others extremely poisonous. Ill-informed consumers used those products frequently in the wrong way—too early or too late, in unsuitable weather conditions or for parasites against which the remedy was ineffective.

All those factors caused loss of produce and often even the crops it was desired to protect were destroyed. There were also serious cases of poisoning due to careless handling. In Normandy, for example, analysis showed that the water of certain wells contained large quantities of lead arsenate. The same arsenate was found, during the course of visits of inspectors, stored with foodstuffs, maize, etc., in contravention of the requirements of the law.

For all those reasons M. Perrot (Professor at the Faculty of Pharmacy, Paris, a member of the Academy of Medicine, a member of the National Academy of Agriculture), horrified by the abuses and by the importance of the damage caused to crops, sounded the alarm in the April 1933 Number of the *Bulletin des Sciences Pharmacologiques*. In November 1934, M. Meladier of Tours again took up the cry in the "Lettre Pharmaceutique." Then M. Torand followed suit in the January 1935 number of the *Bulletin des Sciences Pharmacologiques*.

All three maintain the theses (1) that it is necessary to take every possible action to save the nation's crops, because, as one humorist has justly said, "Man eats only what the insects are kind enough to leave him"; (2) that the pharmacist might, because of his knowledge of mycology, zoology and toxicology, become the best adviser of farmers in the fight undertaken against the enemies of crops; and (3) that the pharmacist is the *only one* qualified to advise on how to use—rationally and without danger—poisonous phytopharmaceutical drugs.

They were, moreover, so right that Mr. Roux (Honorary Director of the Ministry of Agriculture), took up the same cry again, on his own account, in 1935, while at its meeting on March 19, 1938, the Plant Health Defence Syndicate insisted on the "phytosanitary" rôle of the pharmacist.

Professor Perrot emphasised, very rightly, that the title "phytopharmacy," given by the Ministry of Agriculture to their laboratory at Versailles, was an abuse and juridically illegal, the bearer of the title not having obtained the diploma of pharmacist. He also pointed out that the word phytopharmacy would lead to confusion with that of

phytotherapy, the latter referring to the treatment given to living beings by means of plants, the former indicating, on the contrary, the treatment given by man to diseased plants. He would rightly have preferred the name phytosanitary pharmacy.

French pharmacists responded to these moves. On April 3, 1936, they formed an inter-professional committee on phytopharmacy, and on October 4 of the same year the Professional Association of Phytopharmacy (A.P.P.). The Association immediately began work, publishing numerous technical brochures on the control of crop pests. At the same time it succeeded in starting a phytopharmacy course in the faculties of pharmacy in Paris, Strasbourg, Nancy, Montpellier, Toulouse, Bordeaux, Lyons, Marseilles and in the schools providing a complete course in Rennes, Clermont-Ferrand, and Tours.

Finally, under the impulse of the A.P.P., one exclusively pharmaceutical firm manufacturing phytopharmaceutical products was founded under the name Physa.

It must be emphasised that pharmacists are not desirous of usurping by their action the functions of the agricultural experts. But they believe they should take priority over them when it is a question of supervising the preparation and handling of poisonous products; because, if they are not agronomists, neither are the agricultural experts toxicologists.

That is so true that the preparation of baits containing strychnine or zinc phosphate is already legally confined to pharmacists alone. There is no doubt that the law will strengthen the position eventually by extending its scope to include other poisons, arsenates, pruric acid, phosphoric esters, etc., and even lindane, which is not entirely without danger.

Pharmacists also believe they are particularly qualified to give farmers urgent advice on the treatment of plants while awaiting the definitive opinion of the experts, or to repeat and explain such opinions in detail after the departure of the technicians. The advice will be all the more effective if given in full agreement with the official technicians at the research stations.

Numerous pharmacists could place at the disposal of farmers and breeders the resources of their laboratories, carrying out certain easy and simple analyses, pH estimations, lime requirements of soils, water analysis, estimation of fats in milk, bacteriological examination of pus (mammitis, etc.).

The profession could not but gain in prestige in carrying out those tests, offering advice and supervision; further, rural customers would get into the habit of obtaining their supplies of phytosanitary products from the pharmacists who showed such competence in dealing with essentially agricultural problems.

The pecuniary advantage in these operations is far from being negligible. Colleagues in the West of France have devoted several years of effort to the problem, and are fully satisfied with the result.

The whole profession is today interested in these problems. Too many incompetent people are handling and trading in poisonous substances for pharmacists to remain indifferent to them. A setback or a success in one country will have its repercussions immediately in a neighbouring country, and that is why it would be a good thing if British and French pharmacists made a joint effort to obtain legislation on veterinary and phytosanitary products in the direction of securing conformity with already existing legislation in the supply of poisons and medicaments.

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Index of Modern Remedies

W. MAIR. *The Scottish Chemist*, 240 Albert Drive, Pollokshields, Glasgow, S.1. 9½ x 7½ in. Pp. 96.

THE sixth series of the Index is modelled on the lines of previous issues, with the addition of 500 new entries. The work includes brief outlines of the National Formulary, 1952; the Addendum 1951 to the British Pharmacopœia, 1948; the British Pharmaceutical Codex, 1949, and Supplement 1952; and the International Pharmacopœia.

The Vegetable Tanning Materials of India and Burma

M. V. EDWARDS, B.A., and (in part) R. L. BADHWAR, M.Sc., and A. C. DEY, *Manager of Publications*, Delhi. 9½ x 7½ in. Pp. 147 + 44 appendix, bibliography and index. Paper cover, 9s. 6d. (Rs.6).

WHILE collecting information about minor forest products to replace records lost in Burma during the Japanese invasion Mr. Edwards accumulated all the information he could on tanning materials. This monograph is the result of that collection and has been published as No. 2 Vol. 1 in the Indian Forest Records (new series).

Glycerol

CARL S. MINER and N. N. DALTON (editors), *Reinhold Publishing Corporation*, 330 West Forty-second Street, New York, U.S.A. (in Great Britain, *Chapman & Hall*, 37 Essex Street, London, W.C.2). 9 x 6 in. Pp. 460. 96s.

SPONSORED by the Glycerine Producers' Association of America, the book is one in the American Chemical Society's series of chemical monographs and constitutes as complete and up-to-date a work on glycerin as is available. Recent important developments such as purification by ion exchange and the production by synthetic means are discussed, together with the latest designs in equipment, etc. The history and economics of glycerin are dealt with in the first chapter and production figures for the main producing countries of the world are given—those for Great Britain being from 1941 to 1950. The chapter on methods and production occupies fifty pages plus nearly three pages of references, and that on recovery and refining, eighty pages. A chapter on standards and specifications deals mainly

with the various United States specifications, and indication is made where the specification of the British Pharmacopœia, 1948, differs from those. Credit is given to the United Kingdom Glycerin Producers' Association, Ltd., for supplying a typical specification for refined glycerin. The editors have used the word glycerol to designate the compound $\text{CH}_2\text{OH}\cdot\text{CHOH}\cdot\text{CH}_2\text{OH}$ as a chemical substance and "glycerine" for the commercial products of whatever purity. [A third spelling, that of the British Pharmacopœia, will also be noted in this review.]

A Study of Antimetabolites

D. W. WOOLLEY, Ph.D., *Chapman & Hall*, 37 Essex Street, Strand, London, W.C.2. 9 x 6 in. Pp. 269. 40s.

THE study of antagonisms between many kinds of metabolic substances and other chemical compounds closely related to them is, according to the author—a member of the Rockefeller Institute of Medical Research—a subject scarcely ten years old. An introduction to the book deals with the discovery and development of ideas about antimetabolites. It includes a reference to the discovery of *p*-aminobenzoic acid—an essential metabolite—as an antagonist of the sulphonamide drugs. The first chapter discusses in some detail the competition between metabolically important compounds and substances related to them in chemical structure. The author points out that the structural analogues of metabolites are frequently antagonistic to the metabolites and are then described generically as antimetabolites. If the chemical structure of a given metabolite is changed in one of several minor ways a compound may be obtained which, when given to animals or micro-organisms, calls forth signs associated with the specific lack of the metabolite. That is the basic phenomenon with which the book is concerned. A complete chapter is devoted to those possible alterations, and another to practical suggestions for the synthesis and testing of antimetabolites. Other chapters summarise present factual knowledge; outline the general aspects of the phenomenon and the mechanism of the action of antimetabolites; give the spectrum of their activity; describe the natural occurrence of antimetabolites and the selectivity of their action; and applications to chemotherapy, etc.

A HISTORY OF PHARMACY AT UNIVERSITY COLLEGE HOSPITAL

By T. D. WHITTET, B.Sc., Ph.C., A.R.I.C., D.B.A.

(Continued from THE CHEMIST AND DRUGGIST, June 20, p. 673)

Tributes to Martindale

After a period of illness, aggravated by overwork, William Martindale was found dying of prussic acid poisoning in his laboratory in 1902, when he was in his sixty-third year. His son, W. H. Martindale, Ph.C., Ph.D., carried on the business and the editorship of the *Extra Pharmacopœia*. The tributes paid after his tragic death indicate the type of man William Martindale was. An editorial in the *Pharmaceutical Journal* said: "He was conscientious and painstaking to a degree, spending as much time in the elucidation of some apparently insignificant point as many workers devote to an elaborate research. Hasty and impatient at times, he was ever good-hearted and prompt to make amends for seeming injustice." Other comments refer to his "extreme earnestness" and "abnormal conscientiousness" and to "the entire absence of anything in the shape of duplicity or insincerity."

ALFRED WILLIAM GERRARD (1873-94): Alfred William Gerrard was born in Dorset in 1844, came to London at the age of sixteen, and was apprenticed at the Great (now Royal) Northern Hospital. Three years later he was appointed assistant dispenser at Guy's Hospital, where he studied chemistry and materia medica, attending evening classes as well as some during the day, and in 1868 passed the Pharmaceutical Chemist examination and became the first qualified pharmacist to Guy's Hospital. Whilst at Guy's he did work on the presentation in a less unpleasant form of nauseous medicaments such as male-fern extract and copaiba resin. He also invented an improved mould for suppositories and pessaries, and in 1871 published a paper on liquid extract of cinchona bark, in which he suggested the standardisation of that preparation. Also at Guy's, Gerrard became interested in plaster spreading and effected an improvement in the spreading machine in use at that hospital. Many of the machines now used in the large-scale preparation of surgical plasters are based on his original design. His formula for Guy's lead plaster still persists. That particular plaster was manufactured by him on a large scale for the use of the German army during the Franco-Prussian War. He carried out those manufacturing operations in the backyard of his own residence in Islington.

After ten years at Guy's, Gerrard was appointed to succeed William Martindale as chief pharmacist, teacher of pharmacy and demonstrator of materia medica at University College Hospital. He found much encouragement and many opportunities for research there and worked with Professors Burden-Sanderson and Schafer, Dr. Sydney Ringer and Sir Victor Horsley and others in the discovery of new alkaloids, the devising of extraction and assay processes, and on the manufacture and standardisation of surgical dressings. During that time active principles of jaborandi, duboisia, gelsemium, narcissus and ulex were isolated for the first time in pure form, besides other active principles from arrow poisons and drugs of less note. The following is Gerrard's description of his discovery of pilocarpine which he was the first person to extract from jaborandi (from the *British and Colonial Druggist*):—

"One morning by one of the now well-known processes I obtained a small portion of undoubted alkaloid from an extract representing 2 drms. of jaborandi leaves; on dissolving this alkaloid in water it left an insoluble resinous portion, which I prevailed on my assistant to take, whilst I swallowed the alkaloid, being anxious and eager to make sure that I was in possession of the true active principle. My assistant's dose proved inactive; in about ten minutes it was fully demonstrated that I had found the active principle. My head first became wet, then gradually the whole of my body perspired profusely, and saliva ran freely from my mouth. I was seen by several of our medical staff who were certainly delighted with my experiment. There was no pain, only physical inconvenience and dryness. I took the matter philosophically, hoping for the best. In about two hours the main symptoms had passed, a cab took me home, and the local doctor, who had never heard of the drug, was amazed, for the salivation still continued and lasted four to five hours. No harm was done, however, for next morning saw me at the hospital, and by the afternoon a fresh portion of pilocarpine had been made and its identity confirmed by Dr. Sydney Ringer."

Another of Gerrard's claims to recognition as a pioneer is in connection with his work on urine analysis, particularly with reference to the quantitative determination of sugar and urea in urine. He devised two forms of apparatus for those purposes, the glycosometer and the ureameter, both of which are widely known under his name and extensively used. The originals are still in existence at the Birmingham factory.

Gerrard published no fewer than forty-four research papers on a wide variety of subjects during his twenty-one years at U.C.H. and as many as twenty of them were read at meetings of the British Pharmaceutical Conference. He was very interested in education and was one of the earliest advocates of university degrees for pharmacists. He served on the board of examiners of the Pharmaceutical Society for many years, and his lectures at University College Hospital were said by his students to be most interesting. His book "Elements of Materia Medica and Pharmacy" was very popular and went into several editions. He was elected a corresponding member of the Philadelphia College of Pharmacy.

In 1894 Gerrard left U.C.H. and, after three years as a proprietor of a retail pharmacy in Chertsey, joined his friend John Cuxson in founding the manufacturing firm of Cuxson & Gerrard which is still flourishing today in Birmingham. He continued his researches, especially on plasters and dressings, and was responsible for many of the formulas for surgical dressings included in the British Pharmaceutical Codex. In a recent visit to the factory the writer was able to appreciate the foresight of the founders of the firm, and found with interest that much of the machinery for the manufacture of dressings was designed by Gerrard or had been adopted from one of his prototypes.

During the 1914-18 war Gerrard originated the khaki-coloured bandages and other dressings used by the forces. He was also a pioneer in the development of surgical catgut, especially in its sterilisation. He worked in close co-operation with Lord Webb-Johnson (then Mr. A. E. Johnson, surgical registrar of Manchester Royal Infirmary)

in those investigations. One of Gerrard's sons qualified from U.C.H. and is in medical practice in Dorking. Another (Mr. A. D. Gerrard) is a director of Cuxson, Gerrard & Co., Ltd., Birmingham.

A. W. Gerrard died in 1925 at the age of eighty-one. His memory is perpetuated in the Gerrard gold medal, which is presented annually to the student most distinguished in pharmacy at the Birmingham Central Technical College. The following is an abstract from one of his obituaries. "In him British pharmacy had one of its brightest examples of a conscientious worker, a patient, skilful and successful investigator, and an upholder of the claim of the trained pharmacist of today to be regarded as a professional man. He was equally remarkable in his private life, a steadfast friend, a wonderful host and of an eminently lovable nature."

WILLIAM ELBORNE (1894-98): William Elborne was born at Barkstone-in-the-Vale, Leicestershire, in 1858, the third son of Edward P. Elborne, a member of a very old Cambridgeshire family. He was educated at Bancroft's (the Drapers' Company school in the City of London). He was Bell scholar in 1879 and went to the "Square" taking a first class in chemistry and the pharmacy bronze medal. After taking his Ph.C. in 1880, Elborne became a demonstrator, and during that time published eight papers on the pharmacognosy of various vegetable drugs, including rhubarb and strophanthus. Three of them were in collaboration with Harold Wilson, who was later to succeed him at U.C.H. He also published a paper on the manufacture of tinctures.

In 1883 Elborne was appointed assistant lecturer in materia medica and pharmacy at the medical school of Owen's College—now Manchester University—where he continued research in pharmacognosy. He left Manchester in 1890 to go to Trinity College, Cambridge, where he graduated, having taken the Natural Science Tripos in 1893, and shortly afterwards proceeded to the M.A. degree. In 1894 he was appointed to succeed Gerrard as chief pharmacist, teacher of pharmacy and demonstrator of materia medica at University College Hospital. During his time at the hospital he published papers on the pharmacognosy of gnetum and cotton-seed oil, and on the chemistry of sulphurated potash and the volumetric solutions of the British Pharmacopoeia. Three of those papers were read at a meeting of the British Pharmaceutical Conference. It is interesting to note that in 1895 Elborne read to the Conference a paper defending the Imperial and Apothecaries' weights and measures against the metric system—a contrast to the proposals recently put forward by Professor Nixon and the present writer in the *Lancet*.

Memories of Elborne

Elborne left U.C.H. in 1898 and went into private practice as an analyst and scientific consultant. In 1910 he was appointed public analyst for Peterborough, a post which he held until his retirement in September 1939. I am indebted to Major E. Saville Peck, M.A., Ph.C. for the following recollections of William Elborne.

"I well remember visiting him in his laboratory in one of the old arcaded buildings in the precincts of Peterborough Cathedral. He was surrounded with apparatus of all kinds, which appeared to me to be in considerable confusion. He was wearing an old skull cap, and reminded one of ancient pictures of alchemists and apothecaries. He also had the reputation of good work."

Although his professional life was devoted to science, Elborne's real interests were in reading, philosophy and theology, and letters. He had a strong artistic and musical sense. His wife was a distinguished artist who assisted Rodin in modelling the Calais Figures, a replica of which stands in the Embankment Gardens next to the House of Lords. William Elborne and his wife died in 1952 within a week of each other at the ages of ninety-four and ninety-one respectively. One of their three sons, Mr. S. L. Elborne, J.P., a barrister, has chemical qualifications and

another, the Rev. William Elborne, is Rector of Tinwell.

HAROLD WILSON (1898-1904): Harold Wilson was born in Kingthorpe, Yorks, in 1874, the son of Robert Wilson. He was apprenticed to William Martindale and entered the school of pharmacy in the 1895-96 session, passing the "Minor" in January 1896 and the Pharmaceutical Chemist examination in July of that year. He distinguished himself in all subjects, gaining the silver medal in chemistry and physics, the bronze medal in pharmacy, and certificates of honour in botany and materia medica. After qualifying, Wilson remained as demonstrator at the "Square" for two years, during which time he did research in pharmacognosy and published several papers along with W. Elborne. He was appointed to succeed Elborne at University College Hospital in 1898, and whilst there published papers on the assay of liquid extracts of belladonna and ipecacuanha, the dispensing of resinous tinctures, and the pharmacy of cantharides, the latter with Professor Greenish of the Square. Whilst at U.C.H. he also graduated B.Sc. London and was appointed a member of the board of examiners for England and Wales and of the executive of the British Pharmaceutical Conference. In 1904, Edmund White, who was at that time the leading hospital pharmacist in the country, left St. Thomas's Hospital, and Harold Wilson was appointed to succeed him. Unfortunately, shortly after going to St. Thomas's Wilson developed nephritis and died in 1906 at the age of thirty-two.

REGINALD R. BENNETT (1904-14): Reginald R. Bennett was born in 1890 and served his apprenticeship with J. F. Brown, Cannon Street, Dover. During his apprenticeship he received a thorough training in the small-scale production of galenicals and preparations of the B.P., 1885. One of his earliest duties was the collection of red poppy petals for the preparation of syrup rhœados. It was due to the encouragement of his apprentice-master that he won the Society's silver herbarium medal in 1899. Bennett entered the school of pharmacy, where he took his Ph.C. and gained the Pharmaceutical Society's bronze medal in 1903. After a time as demonstrator at the "Square" he was appointed to succeed Harold Wilson at University College Hospital. Mr. Bennett has supplied the following reminiscences of his time at the Hospital.

"Top-hat" Dignity

"Wilson gave me his blessing and emphasised that I must uphold the dignity of the appointment by wearing either a frock coat or a morning coat and a 'top' hat, and that advice I followed most religiously! In 1904 U.C.H. was being rebuilt with money supplied by Sir Blundell Maple, and the dispensary was temporarily accommodated in a partitioned portion of one of the wards, which later became the Children's Ward. Space for stock was very limited, and there were no facilities for making anything apart from stock mixtures and a few other simple preparations. I had two assistants, W. J. U. Woolcock and 'Tommy' Fox, both 'Square' trained, and a year or two senior to myself. Both were competent to cope with all the work there was to be done, but neither was eligible for the appointment of chief pharmacist because they were 'Minor' men and the 'Major' qualification was a *sine qua non*. I owe much to both of them. I had no experience of hospital work but they took care of me with a loyalty that was almost unbelievable.

"It was soon obvious that I should work with two main objects in view, first to try to get plans approved for the provision of an adequate dispensary department with stock rooms, a pharmaceutical manufacturing section, an office and an enclosure for a laboratory bench for testing purposes and experimental work. The second object was to try to devise a suitable course for the medical students.

"With the first object in view I visited the pharmacists at the other hospitals and all of them gave me good advice. J. A. Jennings, at the 'London,' and Langford Moore, at 'Bart's,' were especially helpful. They also gave me hints about teaching. A. R. Cushny was the professor of pharma-

cology at U.C.H., and he tried to be helpful; he thought that every medical student should know something about dispensing, but he had no sympathy whatever with the syllabuses which, at that time, demanded that students should be able to recognise a number of crude drugs.

"While at the 'Square' I had begun to work for a B.Sc. degree and the A.R.I.C. qualification, so most of my spare time was spent at Birkbeck. Later Professor Greenish told me that he had been asked to find someone to write a pharmaceutical Latin (Ince was out of print) and I gladly took on the job. Another adventure as an author was to write a little materia medica 'cram' book for medical students; this was intended primarily for the students at U.C.H., but my friends at some of the other teaching hospitals adopted it (a fifth edition of this book, edited by H. G. Rolfe, was published in 1950).

"Fox left U.C.H. for the retail, but Woolcock stopped on and passed the 'Major' examination and he and I were accepted as students at Gray's Inn and were eventually called to the Bar.

"In my early days at U.C.H. N. H. Nixon was secretary and he was followed by Buckle. I was on good terms with them and the medical staff. There was a dispensary sub-committee, which met twice a year to consider tenders for drugs and dressings. For propaganda purposes I tried to get good attendances at those meetings by displaying drugs and dressings and staging a few simple tests. A. E. Barker, one of the senior surgeons, was a pioneer of surgery under spinal anaesthesia; he used injections of Stovaine (amylocaine) and it was my job to make his solutions.

A "Fearsome New Toy"

"Dudley Buxton was the senior anaesthetist and he invited me to write a few paragraphs about the purity of chloroform and ether for his textbook. When the new U.C.H. Medical School was opened I undertook to work the epidiascope, which was rather a noisy and fearsome new toy, and in that capacity I attended a good number of lectures. When F. J. Poynton was appointed lecturer in Forensic Medicine and Toxicology he invited me to act unofficially as his demonstrator."

During his ten years at U.C.H. Bennett published ten research papers, four of which were read at the British Pharmaceutical Conference. He was one of the pioneers of pharmaceutical sterilisation and the effect of osmotic pressure on physiological processes. He worked on the standardisation of drugs, especially thyroid, and also published papers on pharmaceutical and pharmacognostical problems. He gained his Fellowship of the Royal Institute of Chemistry and served on the board of examiners for England and Wales.

Bennett left U.C.H. to join The British Drug Houses, Ltd., and became a director of the company, remaining with them until his retirement. He was joint author, with T. T. Cocking, of "The Science and Practice of Pharmacy," which was a standard textbook on the subject. He took a great interest in the British Pharmaceutical Conference, being secretary, 1912-23, treasurer, 1925-27, chairman in 1928 and 1929. He remains a vice-president. Bennett served on the Pharmacopœia Commission from 1928 until 1937 and, partly because of his work for the Pharmacopœia, he was awarded the Harrison Memorial medal in 1945. He is now living in retirement in Eastbourne, maintaining an interest in pharmaceutical affairs.

CHARLES HERBERT HAMPSHIRE (1914-29): Charles Herbert Hampshire was born at Ilkley, Yorks, in 1885 and educated at Ilkley Grammar School. He was apprenticed at an Ilkley pharmacy and gained the Jacob Bell scholarship in 1905. He came to the Society's school of pharmacy and obtained the Pharmaceutical Chemist qualification with a silver medal in 1907. He remained on the staff of the "Square" as a demonstrator, and continued his studies at London University, taking a first-class Honours B.Sc. in chemistry. At the same time he published three papers on pharmaceutical chemistry.

Hampshire was appointed to succeed Bennett at U.C.H. in 1914, and shortly afterwards gained his Fellowship of the Royal Institute of Chemistry. He published a book "Volumetric Analysis for Pharmaceutical Students," and in 1919 read a paper on vitamins at the British Pharmaceutical Conference. He was secretary of the Conference from 1919 until 1929, and has served on the board of examiners of the Pharmaceutical Society, London University, and Royal Institute of Chemistry. During the latter part of his time at University College Hospital Hampshire studied medicine, and in 1929 graduated M.B., B.S. and obtained the diplomas of M.R.C.S. and L.R.C.P. He had been appointed Editor of the *Journal of Pharmacy and Pharmacology* in 1928, a post he still holds.

Editor of the Pharmacopœia

In 1929 Dr. Hampshire left U.C.H. on his appointment as secretary to the British Pharmacopœia Commission. He was closely associated with the production of the 1932 and 1948 Pharmacopœias, and it was largely due to his work that the Pharmacopœia reached its present high standard. Dr. Hampshire was chairman of the British Pharmaceutical Conference in 1933 and 1934, and remains a vice-chairman. He has not missed a meeting of the Conference for over thirty-five years. In 1937 he was appointed Chairman of the League of Nations Committee on Pharmacopœias—afterwards the World Health Organisation Expert Committee on Unification of Pharmacopœias. That Committee produced the first International Pharmacopœia. For his work on the Committee and on the British Pharmacopœia Dr. Hampshire was appointed a Companion of the Most Distinguished Order of St. Michael and St. George (C.M.G.) in 1949. He retired from the Pharmacopœia Commission in 1950, but remains chairman of the World Health Organisation Committee and examiner for the Pharmaceutical Society.

HAROLD DAVIS (1929-47): Harold Davis was born in Eccles, Lancs, and educated at Eccles Secondary School. He served his apprenticeship in the three pharmacies of Mr. J. P. H. Greenwood at Patricroft, Southport and Salford, and obtained a varied experience from the fashionable Southport to the industrial Salford. He took evening classes in Manchester under James Grier and in 1923 gained the Manchester scholarship. He then proceeded to the Manchester School of Pharmacy (now part of the University) under Mr. (now Professor) Harry Brindle. He took the M.P.S. and Ph.C. qualifications within three months of each other in 1924.

Immediately after qualifying, Davis was appointed lecturer at the Manchester School of Pharmacy, and in 1925 gained the Pceira medal. In the same year he was appointed lecturer in pharmacy at Swansea Municipal Technical College, and within two years became head of the department. Whilst at Swansea he published his first research paper—on extract of gentian—and also took his Inter. B.Sc. and Subsidiary. He was appointed to succeed Dr. Hampshire at University College Hospital in 1929. During his first year at the hospital Davis spent four evenings a week at the Northern Polytechnic, studying chemistry, and in 1930 he graduated B.Sc. (special chemistry) with second-class honours as an internal student of London University, and gained exemption from the A.R.I.C. examination.

His first paper from U.C.H. was on the stability of hypochlorite solutions. In it he gave a formula for Dakin's solution which is still included in the 1953 British Pharmacopœia. From 1932 onwards Davis started on a field of study in which he was to make outstanding contributions: pharmaceutical microbiology. The edition of the British Pharmacopœia published in that year had introduced sterilisation methods for injections. Davis soon realised that those were "pure" bacteriological methods and might not be applicable to pharmaceutical preparations. He saw that that opened a large potential field for research.

(To be continued)

NEW GERMAN PROPRIETARIES

Information from German pharmaceutical periodicals about recently introduced proprietary medicinal specialities:—

CALCISTIN.—Each ampoule of 10 mls contains Luvistin (pyrrolidyl-ethyl-phenyl-benzylamine hydrochloride) 25 mgm. and ionised calcium (as gluconate) 53 mgm. For all forms of allergy, especially dermatoses and other skin troubles accompanied by increased venous permeability. Dose 10-30 mls intravenously or intramuscularly according to gravity of affection. Packs of three 10-ml ampoules are issued by C. F. Boehringer & Söhne, G.m.b.H., Mannheim (*Apothekerztg.*, March).

CENTRAMIN.—Combination of low molecular amino acids with physiologically proportioned positive ions. Useful for all forms of Pruritus, especially in allergic disturbances, inflammatory and exudative dermatoses; in internal medicine; bronchial asthma, latent tetany, capillary hæmorrhage, etc. Dose: 5 mls intravenously—5 times daily. Packs of five and fifty ampoules of 5 mls are issued by Chemisch-Technische Gesellschaft m.b.H., Munich (*Apothekerztg.*, March).

T.M.D. 10. — Tetraethylammonium bromide in 10 per cent. sterile solution for essential hypertonia, angina pectoris, peripheral circulatory disturbances, gastric and duodenal ulcer, painful conditions of pancreatitis, pulmonary and myocardial infarct, etc. T.M.D. 10 is preferably given by intramuscular injection. Intravenous injection must be made slowly (10-15 minutes). Inactive orally. Packs of three, ten and fifty 5-ml ampoules are issued by Glutan-Chemie G.m.b.H., Würzburg (*Pharm. Ztg. Nachrichten*, April 5).

LEUKOCILLASE LOZENGES.—2,000 units of penicillin and 1 unit of trypsin in each. Indicated in ulcerative and aphthous stomatitis, Vincent's angina, incipient tonsillitis, before and after operations in oral cavity, etc. Dose: One lozenge every two hours; allow to dissolve slowly between cheek and jaw. Average daily dose, seven lozenges; treatment lasts two to three days. Tubes of fifteen lozenges are packed by Penicillinsgesellschaft Daulsberg & Co., Göttingen (*Pharm. Ztg. Nachrichten*, April 5).

PULMO 500.—(Penicillin G)-diethylamino-ethyl ester-hydriodide for acute and chronic bronchitis, lobar pneumonia, broncho-pneumonia, pulmonary abscesses, prophylaxis against infections, etc., tracheitis, laryngitis, otitis media, etc. Usual daily dose, one ampoule; two injections may be given, on the first and second days only; in severe cases, three injections daily. Bottles of 500,000 I.U. and a hospital pack of 25 bottles are issued by Chemie Grünenthal, G.m.b.H., Stolberg in Rheinland (*Pharm. Ztg. Nachrichten*, April 5).

EVULTIN (VETERINARY). — Propionic acid ester of tertiary amyl-phenol. For round worms and hook worms in dogs and silver foxes; also for round worms, hook worms and sabulose tail in fowls. Before use soften capsules in warm water. Doses vary with body weight. Pups may be treated from four to six weeks of age. Three or four hours after administration of capsules, give purgative to hasten evacuation of worms. Packs of six and fifty ampoules of 0.3 and 2 gm. are made by H. E. Merck, Darmstadt (*Pharm. Ztg. Nachrichten*, April 5).

CYCLOSPASMOL. — Adult suppositories (quantities for children's suppositories in parentheses): Cyclohexylphenylacetyl - diethylaminoethanol hydrochloride, 0.1 gm. (0.03 gm.), phenyldiallylaceticamide, 0.05 gm. (0.03 gm.); dimethylaminophenazone, 0.15 gm. (0.075 gm.). Indicated in spasms of the abdominal organs in gastritis, enteritis, duodenal and gastric ulcer, post typhoid dystonia of small intestine, conditions following gastric and intestinal operations, spastic constipation, etc. Dose: One suppository, one to three times daily. Each strength issued in packs of five, fifty and 100 by Chemie Fabrik Tempelhof, Berlin - Tempelhof (*Pharm. Ztg. Nachrichten*, April 5).

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable.

LIQUACILLIN

MANUFACTURER: Eli Lilly & Co., Ltd.

DESCRIPTION: Potassium penicillin G, and separately, a flavoured buffered vehicle. When dispensed as directed, each fl. dr. contains 100,000 units.

INDICATIONS: Prophylaxis and treatment of penicillin-sensitive infections, especially in infants and children.

DOSAGE: The dose (given orally only) should be equivalent to three times the amount of penicillin that would be given intramuscularly.

HOW SUPPLIED: In package containing when dispensed 2 fl. oz. (\equiv 16 x 1 fl. dr. doses of 100,000 units). FIRST ISSUED: May 1953.

DIBISTIN CREAM

MANUFACTURER: Ciba Laboratories, Ltd., Horsham, Sussex.

DESCRIPTION AND FORMULA: A cream, containing: Antazoline (Antistin) and tripeleminamine (Pyribenzamine), 1 per cent., in a water-miscible base.

INDICATIONS: Allergic dermatoses, particularly where pruritus is severe. As supplement to oral therapy with the active principles in urticaria, and angio-neurotic oedema.

USE: Apply thinly to the affected parts and rub in lightly. Not more than 1 oz. of cream should be applied daily.

HOW SUPPLIED: Tube of 1 oz., jar of 1 lb. FIRST ISSUED: June 1953.

DIMYCIN

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION AND FORMULA: A dry mixture of streptomycin sulphate and dihydrostreptomycin sulphate in equal parts by weight of base, designed to reduce neurotoxic effects possible from using either substance singly.

INDICATIONS: Treatment of some forms of tuberculosis and in non-tuberculous infections not penicillin sensitive.

DOSAGE: Depends upon the identity of the infecting organism, the sensitivity of the strain involved, the site and nature of the infection, and duration of infection, etc. FIRST ISSUED: May 1953.

HOW SUPPLIED: Box of ten 1-gm. vials and in 5-gm. vial.

CROOKES B-COMPLEX ELIXIR

MANUFACTURER: The Crookes Laboratories, Ltd., Gorst Road, Park Royal, London, N.W.10.

DESCRIPTION AND FORMULA: An elixir, each teaspoonful of which contains: Vitamin B₁, 0.5 mgm.; vitamin B₂, 0.625 mgm.; vitamin B₁₂, 0.5 µgm.; nicotinamide, 5 mgm.; dried liver extract, 62 mgm.

INDICATIONS: Dietary deficiency, pregnancy, lactation and hyperthyroidism.

DOSAGE: One to two teaspoonfuls three times daily, or as directed by the physician.

HOW PACKED: In bottles of four, eight and eighty fl. oz.

FIRST ISSUED: May 1953.

PRADUPEN 50 AND 200

MANUFACTURER: Evans Medical Supplies, Ltd., Speke, Liverpool.

DESCRIPTION AND FORMULA: Benzyl penicillin (sodium salt) in two potencies, with buffering, flavouring and sweetening agents. It is dispensed by adding potable water to produce respectively: Pradupen 50, containing in each bottle 800,000 units (\equiv sixteen doses of 1 fl. dr. containing 50,000 units); and Pradupen 200, containing in each bottle 3,200,000 units (\equiv sixteen doses of 1 fl. dr. containing 200,000 units).

INDICATIONS: For oral therapy of infections caused by penicillin-susceptible organisms especially in children.

DOSAGE: Should be at the discretion of the physician.

HOW SUPPLIED: In single bottle. FIRST ISSUED: April 1953.

TOPAMINIC CREAM

MANUFACTURER: Sharpe & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: A cream containing in each 100 gm.: Mepyramine maleate, 2 gm., calamine prepared, 8 gm.; benzocaine, 3 gm.; and hexylated metacresol, 0.05 gm.

INDICATIONS: pruritus ani, vulvæ, scroti; insect bites, atopic dermatitis, chafing of skin, diaper rash, angioneurotic oedema, itching dermatoses, summer prurigo, urticaria, minor sunburn, eczema, dermatographia.

USE: Apply to the affected area three or four times daily. Occasional sensitisation may occur with prolonged use of the cream. The treatment should then be ceased.

HOW SUPPLIED: In tubes of 1 and 4 oz.

FIRST ISSUED: June 1953.

AMBISTRYN

MANUFACTURER: E. R. Squibb & Sons, 17 Old Bond Street, London, W.1.

DESCRIPTION: Dry sterile powder consisting of: Streptomycin sulphate 50 per cent., and dihydrostreptomycin sulphate 50 per cent.

INDICATIONS: Tuberculosis and other susceptible infections.

DOSAGE: As for streptomycin sulphate.

HOW PACKED: Vials of 1 gm.

FIRST ISSUED: February 1953.

NOTES: Clinical trials have been in progress at a number of British centres since February, 1953. Ambistryn appears to be less toxic than streptomycin in respect of the nervous system.

REFERENCES: Heck and Hinshaw, in the Press.

CYCLOCUMAROL

PROPRIETARY NAME*: CUMOPYRAN

MANUFACTURER: Abbott Laboratories, Ltd., 3 Wadsworth Road, Perivale, Greenford, Middlesex.

FORMULA: 3, 4-(2-methyl-2'-methoxy-4'-phenyl) dihydropyranocoumarin.

INDICATIONS: Anticoagulant therapy.

DOSAGE: The preparation should not be administered until the prothrombin activity has been determined. The dosage should then be adjusted in accordance with clinical and laboratory findings. The daily dose is given at one time. The first dose is 100 to 200 mgm.

HOW SUPPLIED: In bottle of 100 tablets each containing 50 mgm.

FIRST ISSUED: April 1953.

NOTE: The preparation has a number of contraindications that should be studied before it be used.

REFERENCES: Numerous references in American medical Press.

ACTIDIL

MANUFACTURER: Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1.

DESCRIPTION: Trans-1-(4-methylphenyl)-1-(2-pyridyl)-3-pyrrolidinoprop-1-ene hydrochloride. An antihistaminic substance.

INDICATIONS: The management of serum sickness; in hay-fever, vasomotor rhinitis, and other respiratory disorders having an allergic basis; and for the prevention of asthmatic attacks.

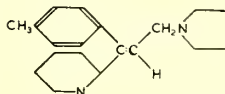
DOSE: 2.5 mgm. two or three time daily is the average adult dose.

HOW SUPPLIED: In bottles of twenty-five and 500 tablets each containing 2.5 mgm.

FIRST ISSUED: June 1953.

NOTE: The preparation is powerful and quick acting, and its effect lasts for about twelve hours. It has a low incidence of side effects.

REFERENCE: Green, *Brit. J. Pharmacol.*, 1953, 8, 171.



* Cross reference for card index:

CUMOPYRAN: see cyclocumarol.

**AMERICAN
APPROVED REMEDIES**

Preparations accepted by the American Medical Association's Council on Pharmacy and Chemistry for inclusion in its list of "New and Non-official Remedies":—

HEXAD TABLETS CETAZINE.—Each contains 83 mgm. of sulphacetamide, sulphadiazine and sulphamerazine. Issued by Bowman Bros. Drug Co., Canton, Ohio.

HYAZYME.—Abbott Laboratories, North Chicago, Illinois, issue, under that name, vials containing 150 turbidity reducing units of powdered hyaluronidase.

SYRUP ORTHOXINE HYDROCHLORIDE.—A flavoured syrup containing 10 mgm. of methoxyphenamine hydrochloride per mil. Issued in 473-ml bottles by Upjohn Co., Kalamazoo, Michigan.

LIQUID MUCOTIN.—A flavoured suspension containing 40 mgm. of gastric mucin, 62 mgm. of aluminium hydroxide gel, and 0.11 gm. of magnesium trisilicate per mil. Issued in 355-ml bottles by Harrower Laboratory, Inc., St. Louis.

THELESTRIN.—Proprietary brand of oestrone by G. W. Carrick Co., Newark, New Jersey. Supplied as a solution in sesame oil, 1 mgm. per mil (1-ml ampoules and 10-ml vials); and a aqueous suspension, 1 mgm. per mil (10-ml vials), 2 mgm. per mil (1-ml ampoules, 10-ml vials), 5 mgm. per mil (10-ml vials).

ARSTHINOL.—Cyclic 3-hydroxypropylene ester of 3-acetamido-4-hydroxydithiobenzenearsonous acid, a trivalent arsenical effective against intestinal amoebiasis and yaws. Administered orally in daily doses of 10 mgm. per kilo body weight to a maximum of 500 mgm. in twenty-four hours. Endo Products, Inc., Richmond Hill, New York, issue tablets Balarsen each containing 0.1 gm. of arsthinol.

CHLORMERODRIN.—[3-(Chloromercuri)-2-methoxypropyl] urea, a diuretic more effective orally than previously introduced mercurial diuretics. Useful in the management of recurring cardiac and nephrotic oedema, ascites of liver disease, and in carefully selected cases of subacute and chronic nephritis. Average daily adult dose, 18.3 mgm. to 73.2 mgm. Dosage for children adjusted according to body weight. Lakeside Laboratories, Inc., Milwaukee, Wisconsin, issue tablets Neohydrin each containing 18.3 mgm. of chlormerodrin (equivalent to 10 mgm. of mercury).

ZINCASATE BURN DRESSING.—Consists of a combination of a zinc-acetate-impregnated gauze with a partially hydrolysed casein gel. Used as a dressing for the local treatment of burns by the closed pressure bandage technique. When applied to an injured area the gel is converted into an insoluble coagulum at the point of contact with the gauze forming an adherent, protective, semipermeable membrane permitting the evaporation of water while reducing the loss of transudates. The dressing is applied with aseptic technique. Hynson, Westcott & Dunning, Inc., Baltimore, Maryland, issue Zincax burn dressing (8-18 mil tubes of zincasate gel, packed with 10 gauze pads; and 118.3 mil cans of zincasate gel, packed with 2 yards of gauze).

**NEW BRITISH
STANDARDS**

RUBBER HOT WATER BOTTLES FOR HOSPITALS (B.S. 1970, 1953, price 2s.): The standard specifies requirements for moulded rubber hot water bottles, without fabric insertion, of the 3½-pint size. The specification includes details of construction together with methods of test applicable both to the rubber and to the finished hot water bottle. Details of the capacity test are included in an appendix. Copies of the standard are obtainable from the British Standards Institution, 28 Victoria Street, London, S.W.1.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JULY 1: All markets during the past week recorded little change in the volume of business transacted on home or overseas accounts. There were several important price reductions in PHARMACEUTICAL and FINE CHEMICALS announced. They included POTASSIUM and SODIUM IODIDES (reduced by 3s. per lb.), IODOFORM by 5s. and IODINE, RESUBLIMED, by 3s. 6d. —all in consequence of the fall in value of crude iodine announced in the previous week.

THYMOL was reduced by 3s. 3d. per lb. and HYDROQUINONE by sixpence throughout the schedules. The domestic manufacturer of ASCORBIC ACID has advised large users that the acid is to be reduced in price by 12s. a kilo from July 20.

The few CRUDE DRUGS that were actively sought after during the week included spot supplies of good quality Alexandrian SENNA PODS, of which there appears to be only a nondescript variety available, and SENEGA which became fractionally dearer in consequence. Speculators in Portugal have offered new-crop ERGOT for August-September shipment at 17s. per lb., c.i.f.—a figure too high to be of interest. In AROMATIC SEEDS, Moroccan CORIANDER was inclined to be a little easier but FENUGREEK held firm at the previous week's increased price through shortage of stocks on the spot. Egyptian HENNA was somewhat dearer although Indian material was unchanged on the spot. MENTHOL is extremely quiet with little or no business passing. The crop reports received so far from British growers of botanicals, etc., indicate that the season has generally been a good one for growth and yields are expected to be at least up to average. SHELLAC was increased sharply during the week and is now the dearest it has been for over a year. Mombasa CHILLIES were scarce and prices advanced but CLOVES were easier on the spot and at origin.

No important price changes occurred in ESSENTIAL OILS. Firm conditions again prevailed in LEMON and PETIT-GRAIN; both were slightly dearer for shipment.

UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, JUNE 30: A downward revision in the expansion target for the productive capacity of GLYCERIN has been announced by the Office of Defence Mobilisation. The programme now calls for an annual capacity of 268 million lb. by January 1, 1955, a decrease of 10 million lb. from the initial goal announced in April. The new goal represents a boost of 43 million lb. over the 1951 availability. DRUGS and FINE CHEMICALS were unchanged in price except for the coming advances scheduled for July 1. In BOTANICALS, business has been slower in the past week than in any previous week during the year. AGAR is firmer with the number one grade now \$2.25 per lb., up 15 cents. ESSENTIAL OILS and AROMATICS were also quiet with few price changes.

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are now 2s. 9d. per lb. for crystals and 5-cwt., 2s. 8d. Powder is 1s. per lb. more.

AMPHETAMINE.—BASE is 160s. per kilo, and SULPHATE, 140s. d-AMPHETAMINE SULPHATE is from 660s. per kilo. METHYL-AMPHETAMINE HYDROCHLORIDE, 2s. 3d. per gm. for 100-gm. lots.

AMYLOBARBITONE. — B.P.C. is 65s. per lb. for 1-cwt. lots and SODIUM, B.P.C., 70s. per lb.

ATROPINE. — Rates per oz. for British material are:—ALKALOID, 43s. 6d. (1,535s. per kilo); SULPHATE, 37s. 6d. (1,323s. per kilo) for 16 oz. (500 gm.) lots. Lower quotations for larger quantities.

BARBITONE. — Rates per lb. for 1-cwt. lots is 24s. The SODIUM derivative is 1s. per lb. more than the base.

BIARUM SULPHATE.—1-cwt. lots of B.P. (x-ray) are 1s. 5d. per lb. and 5-cwt., 1s. 4d. per lb.

BENZOCAINE. — B.P. in 1-cwt. lots is about 22s. 6d. per lb.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages.

	1-cwt.	28-lb.	7-lb.
CARBONATE ..	s. d. 23 5	s. d. 23 8	s. d. 27 5
SALICYLATE ..	22 6	22 9	26 4
SUBGALLATE ..	21 8	21 11	25 4
SUBNITRATE ..	20 11	21 2	24 6

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates.

The present rates for other salts are:—CITRATE, B.P.C., 22s. 8d.; NITRATE, crystal, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d. and TRIBROMPHENATE, B.P.C., 26s. 9d.—all 1-cwt. lots for home market.

BROMIDES.—POTASSIUM, B.P., crystals in 5-cwt. lots is 2s. 8d. per lb.; 1-cwt., 2s. 9d. per lb. Powder is 1½d. per lb. more. AMMONIUM is 2s. 9d. per lb. in 5-cwt. lots and SODIUM, 2s. 7d. per lb.

CAFFEINE.—Rates (per lb.) are as follows:—

	1-cwt.	28-lb.	7-lb.
ALKALOID, B.P. ..	s. d. 20 0	s. d. 20 3	s. d. 20 9
ALKALOID ANHYDROUS ..	21 0	21 3	21 9
CITRATE, B.P.C. ..	12 6	12 9	13 3
and SODIUM BENZOATE, B.P. ..	14 6	14 9	15 3
and SODIUM SALICYLATE, B.P.C. ..	15 6	15 9	16 3
SODIUM IODIDE ..	26 0	26 3	26 9

Lower quotations for 5-cwt. lots.

CALCIUM CARBONATE. — B.P. powder is £24 10s. per ton, ex store.

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 4s. per lb.; 1 cwt. to 2 cwt., 4s. 1d.; smaller quantities, up to 4s. 4d. per lb.

CALCIUM PANTOTHENATE.—Price per kilo is £32 10s.

CITRATES.—Rates (per lb.) are as follows:—POTASSIUM, 1-cwt. lots, 3s. 11½d.; 28-lb., 4s. 11d.; SODIUM, 1-cwt., 3s. 4½d.; 28-lb., 4s. 3d. (powder of both salts one penny more). CALCIUM, 1-cwt., 4s. per lb.

IRON and AMMONIUM, granulated, 1-cwt., 4s. 3½d.; 28-lb., 5s. 4d. (Scales are fourpence per lb. more).

ETHER.—Prices (per lb.) in Winchester are now as follows:—TECHNICAL, B.S.S., and SOLVENT, 5-cwt., 2s. 3d.; 10-cwt., 2s. 2d. ANÆSTHETIC, B.P., 5-cwt., 3s. 8d.; 10-cwt., 3s. 7d. In drums prices are 2d. per lb. less than above.

FORMALDEHYDE. — B.P. solution is 34s. per cwt.

GALLIC ACID.—B.P.C. is 8s. 1d. per lb. for 1-cwt. lots.

HOMATROPINE HYDROCHLORIDE and HYDROBROMIDE. — In 1-lb. lots the price is 67s. 6d. per oz.; METHYLBROMIDE, 82s. 6d.

HYDROQUINONE.—Lower. Quotations for 1-cwt. lots are now 10s. 6d. per lb. For smaller quantities, viz., 28-lb., 10s. 9d.; 14-lb., 11s. 6d.; 7-lb., 12s.

IODINE and preparations.—Lower from June 29 as follows for B.P. materials:—

	Per lb.		Per kilo	
	1-cwt.	28-lb.	50 kilos	12½ kilos
POTASSIUM IODIDE ..	s. d. 14 4	s. d. 14 10	s. d. 31 7	s. d. 32 8
SODIUM IODIDE ..	15 10	16 4	34 11	36 0
IODINE ..	15 10	16 4	34 11	36 0
RESUBLIMED ..	25 4	25 10	55 10	57 0
ODOFORM POWDER ..	28 0	28 6	61 8	62 10
ODOFORM CRYSTAL ..				

ISONIAZID.—Bulk lots are about 260s. per kilo.

POTASSIUM ACETATE.—B.P. is 2s. 8d. per lb. in 1-cwt. lots.

POTASSIUM HYDROXIDE. — B.P. sticks are from 6s. 6d. per lb.

POTASSIUM PERMANGANATE. — Rates for B.P. material for 1-cwt. lots is 1s. 8½d. per lb., and for technical, 181s. 6d. per cwt.

PROCAINE HYDROCHLORIDE. — 1-cwt. lots are 30s. per lb.

RESORCINOL.—1-cwt. lots are now quoted at 13s. per lb. by manufacturer.

SODIUM THIOSULPHATE. — Makers' price for 1-ton lots in paper-lined bags is £33 2s. 6d. per ton; 1-cwt., £2 1s. 8d.

SULPHOCARBOLATES. — SODIUM PHENOL-SULPHONATE, B.P.C. (powder) is 7s. 4d. per lb. in 1-cwt. lots and ZINC, B.P.C., 7s.

TANNIC ACID. — Home-trade rates for levis B.P. is from 5s. per lb.

TARTARIC ACID. — Rates for the home trade are now as follows:—10-cwt. lots, 210s. per cwt.; 5-9-cwt., 212s.; 2-4-cwt., 214s.; 1-cwt., 215s.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In Winchester, prices are from 4s. 3½d. to 5s. 2d. per lb.

TERPIN HYDRATE.—Prices are from 5s. per lb. upwards, as to quantity.

TERPINEOL. — Prices of B.P. grade are from 3s. to 3s. 6d. per lb., as to quantity.

THEOBROMINE.—Prices are as follows:—

	1-cwt.	28-lb.	7-lb.
ALKALOID, B.P.C. ..	s. d. 22 6	s. d. 22 9	s. d. 23 3
and CALCIUM SALICYLATE ..	18 6	18 9	19 3
and SODIUM BENZOATE ..	18 3	18 6	19 0
and SODIUM SALICYLATE, B.P. ..	15 6	15 9	16 3

Lower quotations for 5-cwt. lots.

THEOPHYLLINE.—ALKALOID is 24s. per lb.; SODIUM ACETATE, 32s. 6d.; AMINO-PHYLLINE (THEOPHYLLINE WITH ETHYLENEDIAMINE), 27s.; all 1-cwt. lots.

THYMOL.—Lower. Price (per lb.) is now 16s. 9d. for 28-lb. and 16s. 3d. for 1-cwt. lots.

Crude Drugs

ANTIMONY. — English, 99.6 per cent., £237 10s.; 99 per cent., £255 per ton.

ASAFETIDA.—Persian block is £15 per cwt., duty paid.

BALSAMS.—Quotations (per lb.) are:—*Canada*: Spot is 26s. 6d.; new-crop for prompt shipment, 22s. 6d. landed terms. *Copaiba*: Soluble Para, spot, 13s. *Peru*, 10s. 6d., duty paid, and 9s. 3d., c.i.f., for shipment. *Tolu* (genuine as imported) on the spot is offered at 19s. and for shipment, 18s., c.i.f.

BENZOIN.—Good quality Sumatra block on the spot is £29 10s. per cwt.

CASCARA SAGRADA.—New-crop offers for July shipment are about 260s. per cwt., c.i.f. Small quantities of 1952 peel on the spot offered at 325s., duty paid.

CHILLIES.—Sierra Leone on the spot is 185s. per cwt.; for shipment, 140s. per cwt., c.i.f.; Mombasa are firmer at 265s., c.i.f., and 280s., spot.

CLOVES. — Zanzibar on the spot are 10s. per lb., and 8s. 9d., c.i.f., for prompt shipment.

ERGOT. — Portuguese for shipment is 14s. 6d. per lb., c.i.f.; spot, 15s. 9d. New-crop offers from origin, 17s.

GALANGAL. — Quiet. Spot material is offered at 85s. per cwt.

GAMBOGE.—Good average Siam pipe has been sold at £32 10s. per cwt., duty paid.

GENTIAN. — French natural on spot is 100s. per cwt., and 95s., c.i.f.; sliced, 115s., spot.

GINGER.—African on the spot is 95s. per cwt.; new-crop, for shipment, 90s., c.i.f. Jamaican No. 3 is about 115s. on the spot, and at 107s. 6d., c.i.f., for shipment.

GUAIACUM RESIN.—Quotations are about 3s. per lb. for spot material.

GUM ACACIA. — Kordofan cleaned sorts on the spot around 101s. per cwt. Offers for July-August shipment are 91s., c.i.f.

HENNA. — Indian green leaves are at 75s. per cwt.; brown leaves, 65s., spot. Egyptian are 110s., spot.

HONEY. — Spot supplies of Australian are from 102s. 6d. to 112s. 6d. per cwt., as to quantity; Argentine is steady at from 115s. to 125s.; Jamaican new-crop, 120s. to 130s.

IPECACUANHA. — Spot supplies remain scarce with very limited offers of Colombian at 42s. 6d. per cwt. Forward: Colombian, prompt shipment, 39s. per lb., c.i.f.; Nicaraguan, July-August shipment, 44s., c.i.f.

KARAYA.—No. 1 gum on the spot is unchanged at 200s. per cwt.; No. 2 is 140s.; No. 1, for shipment, 185s., c.i.f.

LIQUORICE.—Natural whole root, spot: Anatolian, 55s. per cwt.; Russian, 38s.; Syrian, 40s. to 42s. 6d. Block juice quotations are 190s. per cwt., duty paid. Turkish stick is 250s. and Italian stick, 475s. per cwt., both duty paid.

MASTIC.—Tears (f.a.q.) are 12s. 6d. per lb., on the spot.

MERCURY.—Nominal spot value is £71 per flask, ex warehouse.

NUTMEGS. — West Indian 80's quoted at 3s. per lb. on the spot and 2s. 6d., c.i.f., for shipment.

ORANGE PEEL.—Thin-cut is 2s. 2d. per lb., duty paid.

ORRIS ROOT.—Offers of average quality Florentine are now 155s. per cwt., ex-warehouse.

PAPAIN.—Spot values for East African grade one are 38s. 6d. and forward, 34s. to 36s., c.i.f., per lb. and grade two, 35s. to 36s., spot.

PEPPER.—Easier. White Sarawak is now offered at 10s. 9d. per lb. on the spot and 10s. 3d., c.i.f., for afloat, Black Malabar is 1,140s. per cwt., on the spot, and 1,050s.

c.i.f., for July shipment. Stocks of special black Sarawak are offered at 8s. 6d. per lb., c.i.f., July shipment.

PODOPHYLLUM.—*Emodi* root on the spot is 170s. per cwt. *Peliatum*, 336s.

QUASSIA.—June-July shipment is 31s. 6d. per cwt. Little material on the spot.

QUILLAIA.—Whole bark is £105 per ton, c.i.f., and spot, £125.

RHUBARB, Chinese. — Spot offerings include: round Shensi at 12s. 3d. per lb.; rough round high dried, from 3s. 6d. to 8s. 6d. as to quality.

SANDARAC. — Morocco is offering on the spot at 12s. 6d. per lb.

SASSAFRAS.—Bark is offered at 4s. 9d. per lb., on the spot.

SENEGAL. — Spot supplies are from 13s. 3d. to 13s. 6d. per lb., and for prompt shipment, 11s. 9d., c.i.f.

SEEDS.—ANISE.—Quiet. Cyprian quoted at 137s. 6d. per cwt., and Turkish, 140s., duty paid (135s. in bond). CARAWAY.—Dutch still offered at 87s. 6d. per cwt., duty paid, with no business reported. CELERY.—Indian is unchanged at 1s. 11½d. per lb., spot London. CORIANDER. — Steady. Spot Moroccan is quoted at 60s. per cwt., duty paid, and 55s. in bond.

English is nominal at 70s., per cwt. Shipment: Moroccan is inclined to be easier with old-crop for prompt shipment at 54s. 6d., and new-crop, 55s. 6d. CUMIN.—Quiet and steady. Spot quotations are: Cyprian, 140s. per cwt.; Moroccan, 140s., duty paid; Maltese, 160s. Shipment: New-crop, Cyprian, 120s.; Moroccan, 112s. 6d., both for July-August. DILL.—Indian is offering at 80s. per cwt., spot London. FENNEL. — Sellers of Indian at 177s. 6d. per cwt., spot London. FENUGREEK.—Spot material scarce with sellers asking 47s. 6d. per cwt., duty paid. MUSTARD.—English, 70s. to 87s. 6d. per cwt., according to quality.

SENNA. — *Tinnevely* LEAVES: Prime number 1 on the spot, 1s. 2½d. per lb.; Dry-crop, number 2, 9½d., and number 3, 9d. PODS, f.a.q., are about 1s. per lb.; hand-picked range from 1s. 8d. to 3s. ex wharf. *Alexandrian* PODS, manufacturing, 1s. 10d. to 2s. 3d.; hand-picked, 3s. to 4s. 6d.

SHELLAC. — Spot quotations are:—F.O.T.N., pure, 217s. 6d.; F.O. standard No. 1, 230s.; fine orange, 240s. to 280s. per cwt., ex-London warehouse.

SLIPPERY ELM BARK.—Selected slabs are 4s. per lb., and grinding quality, 3s. 3d. spot.

STROPHANTHUS. — *Kombé*, 100 per cent. is quoted at about 15s. per lb., on the spot, and *Gratus*, 25s. per lb., nominal.

STRAMONIUM.—Indian LEAVES are 5½d. per lb., spot, and European, 97s. 6d. per cwt.

STYRAX.—Spot is 5s. 6d. per lb., duty paid.

TRAGACANTH.—No. 1 ribbon on the spot is £120 per cwt.; No. 2, £100; No. 3, £70.

VALERIAN. — Indian, 165s. per cwt. Belgian, 200s., spot.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

WAXES.—BEES.—Dar-es-Salaam. Spot, 430s. per cwt., July shipment, 420s., c.i.f. Sudanese and Abyssinian, 360s., c.i.f.; spot, 420s., duty paid. CANDELLILLA.—Spot is 635s. per cwt. CARNAUBA. — Prime yellow, only small lots available on the spot at 1,240s. per cwt.; afloat, 1,185s., c.i.f.; shipment, 1,170s., c.i.f.; fatty grey is 1,000s. on the spot; shipment, 930s., c.i.f. MONTAN. — Reibech crude on the spot is 135s. per cwt. OURICURI.—Spot, 0.5 per cent. impurities, 730s. per cwt. SPERMACEITI.—Case lots are 1s. 9d. per lb. upwards as to quantity.

WITCH HAZEL.—Leaves on the spot are about 1s. 10½d. per lb.

Essential and Expressed Oils

ANISE. — Spot supplies are offered at from 6s. 6d. per lb. for original drums, and for shipment about 6s. 6d., c.i.f.

ALMOND.—B.P. is from 6s. to 7s. 6d. per lb., as to quantity.

AMBER.—Rectified on the spot is quoted at from 1s. 6d. per lb.

BAY.—W. Indian is 8s. 6d. to 9s. per lb. on the spot.

BERGAMOT. — Spot value is about 82s. per lb.

BIRCH TAR. — Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE. — Brazilian on the spot is 31s. and 29s. 9d., c.i.f.

CEDARWOOD. — Spot quotations for African are from 4s. 6d. per lb.

CELERY.—British distilled is from 130s. per lb.

CHENOPODIUM. — 1-cwt. lots are 65s. per lb.

CINNAMON. — B.P. oil on the spot is quoted at from 60s. per lb. English bark oil is offered from 23s. per oz. Ceylon leaf is from 9s. per lb.

COD-LIVER.—Medicinal, B.P., is 10s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER. — Russian-seed oil is 150s. per lb.

CUMIN. — Quotations for English-distilled oil are about 75s. per lb. and imported, 70s.

DILL.—B.P. English-distilled oil is quoted at 60s. per lb. Imported oils are offered at from 30s. to 40s. per lb., as to origin.

EUCALYPTUS. — Drum lots of 70 to 75 per cent. eucalyptol on the spot are 4s. 3d. per lb., and 80 to 85 per cent., 4s. 6d.

GINGER. — English-distilled oil is from 120s. per lb. Imported oils are available at from 80s. per lb.

HYDNOCARPUS. — Spot is offered at 2s. 2d. per lb.

JUNIPER BERRY. — Imported oils are offered at 17s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 80s. per lb.

LAVANDIN. — Spot supplies are offered at 15s. 6d. per lb.

LAVENDER. — French, 40-42 per cent. linalol on the spot is about 44s. per lb.

LAVENDER SPIKE. — Spanish is about 11s. per lb., duty paid.

LEMON.—Firm, B.P. (4 per cent. citral) on the spot is from 36s. to 49s. per lb. Hand-pressed Sicilian for shipment is 46s., c.i.f.

LEMONGRASS. — East Indian is 7s. on the spot and 6s. 6d. per lb., c.i.f.

LIME. — Supplies of West Indian distilled are offered from 45s. to 50s. per lb., on the spot.

PETITGRAIN. — Firm, Paraguay on the spot is 18s. 6d. per lb., and for shipment, 17s., c.i.f.

PIMENTO. — English-distilled berry is about 70s. per lb., and imported, 55s.

PINE.—*Pun'lionis* on the spot is from 16s. per lb.; *sylvestris*, 9s.; Siberian (*abietis*), 10s. 6d.

ROSEMARY. — Spanish oil on the spot is about 5s. 6d. per lb., duty paid, for B.P. quality.

RUE.—Spot offers are about 15s. per lb.

SAGE. — Spanish is offered at from 8s. 6d. to 9s. 6d. per lb., spot.

SASSAFRAS. — Brazilian natural is offering at 6s. 3d. per lb., duty paid, and 4s. 9d., c.i.f.

THYME.—B.P.C. is about 9s. 6d. per lb.

VETIVERT.—Bourbon in original drums on the spot is about 117s. 6d. per lb.

HERB CROPS

THE following report on the 1953 herb crop has been received from **William Ransom & Son, Ltd.**, Hitchin, Herts:—

The weather has been ideal for plant growth this summer but it has been difficult to control weeds in certain crops owing to the wet condition of the soil. **BELLADONNA**.—A good clean crop is still being harvested. The damp conditions have helped the plants to grow considerably higher than usual. The crop dried so far has been tested and found to be much above B.P. strength. This year's plantation has made exceptional growth and there should be a good crop in the Autumn. **CHAMOMILE**.—A much better crop than last year. The cuttings planted in the Spring have made rapid growth and a good crop is expected to be distilled towards the end of July. **DANDELION ROOTS**.—These will be collected as usual in the Autumn. **ELDER FLOWERS**.—Conditions were unfavourable for their collection. **FOXGLOVE**.—A good stock of B.P. leaf is held. Seeds sown recently have made rapid growth. **HEMLOCK**.—This grows wild in abundance on the outlying parts of the farm. **HENBANE**.—A good second biennial has just been harvested and this year's plantation has also made excellent growth. In recent years the annual variety has also been grown. It is much less trouble to grow and cultivate and so far does not appear subject to any disease. The crop is harvested in July. Seeds sown this Spring are now in flower. **LAVENDER**.—A much improved crop free from disease. Dry weather over the next few weeks will considerably increase the yields of oil. **PEPPERMINT**.—Acreage again increased. The rain during June helped to establish this year's plantations and a dry August would increase the yield of oil. A new method for growing the crop has been evolved and results so far have been very satisfactory. **POPPY HEADS**.—A good crop but in reduced acreage through lack of demand. **POPPY PETALS**.—Wet weather has made collection of petals difficult. **RHUBARB**.—A good crop. Weather conditions during the early Summer have helped to establish a new plantation. **WILD LETTUCE**.—An excellent crop this year. Specimens of many other lesser known medicinal plants, shrubs and trees are grown in case the demand should increase in the future and because the manager of the farm and his wife are keen botanists.

Bruce Starke & Co., Ltd., 5 Fenchurch Street, London, E.C.3, advise the following:—

CHAMOMILE.—The amount of acreage under chamomile is smaller than usual and owing to the dry spring the plants are on the small side. There are plenty of flowers however, and it looks as if the oil will be of excellent quality, although probably the quantity will not come up to our usual yield per acre. **LAVENDER**.—The crop is looking well, the flower heads are large and plentiful. **ANGELICA**.—Although a small crop, this is progressing satisfactorily. Rain in the near future will greatly benefit it. **PEPPERMINT**.—The crop is looking well, but requires more rain. The leaf is healthy.

PRINT AND PUBLICITY

Show Material

THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, London, N.1: Showcard for Beach suntan cream.

DUFAY, LTD., Boreham Wood, Herts: Self-adhesive plastic window sign advertising Coronet cameras, 5½ x 11½ in.

SOUTHOON LABORATORIES, LTD., 84 Upper Richmond Road, London, S.W.15: Show material and display stands for Esoban cream of calamine are available from the company.

TOKALON, LTD., 24 Gilbert Street, Mayfair, London, W.1: Counter showcards for Tokalon beauty preparations.

TRUFOOD, LTD., Green Bank, London, E.1: Showcard 4½ x 8 in. stating "We sell Trufood milk foods."

Booklets and Leaflets

THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10: Crookes vitamin chart 20 x 30 in.

BRITISH CELLOPHANE, LTD., 12 Conduit Street, London, W.1: "Notes on the Use of Regenerated Cellulose Film—Effect of Temperature," pp. 4.

BRITISH GEON LTD., 21 St. James's Square, London, S.W.1: "Geon at Work," pp. 52. Geon P.V.C. raw materials and some of the uses to which they are put.

CORN PRODUCTS CO., LTD., Wellington House, 125 Strand, London, W.C.2: "Medical Uses of Dextrose," pp. 26.

THE FAMILY PLANNING ASSOCIATION, 64 Sloane Street, London, S.W.1: "Pain Relief in Childbirth," pp. 12, price 6d. and postage 2½d.

INTEL (CATERERS), LTD., 2 Parkshot, Richmond, Surrey: "As a Man Eats So Must He Work," pp. 16. Deals with the problem of employee feeding. Theme of the booklet is that planned employee feeding increases output.

ROCHE PRODUCTS, LTD., Welwyn Garden City, Herts: "Thephorin" (card).

SHELL CHEMICALS, LTD., Norman House, Strand, London, W.C.2: "Keep It Clean with Teepol," pp. 12. Deals with uses of Teepol in shops and stores.

SWISS BANK CORPORATION, 99 Gresham Street, London, E.C.2: "British Exports and Exchange Restrictions Abroad," seventh edition, May 1953, Pp. 157.

TRUFOOD, LTD., Green Bank, London, E.1: "Humanised Trufood," pp. 8.

JOHN YUILLE (METAL WORKS), LTD., Scottish Industrial Estate, Hillington, Glasgow, S.W.2: "Metwul," third edition, March 1953, pp. 72. The handbook deals with the control of the dust hazard in industry. Price 5s.

Price Lists

THE ANGLO-FRENCH DRUG CO., LTD., 11 Guilford Street, London, W.C.1: 1953 price list of pharmaceutical products, pp. 4.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, have issued their drug price list for July giving the prices of drugs and galenicals for amounts in the metric system.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: Cumulative amendment to 1953 price list of M. & B. medical products, pp. 8.

Advertising Campaigns

ADVANCE INDUSTRIES, LTD., 87 Regent Street, London, W.1: Advertising of Dispel in national Press during July.

BRITISH PERMANENT STARCH CO., LTD., 87 Regent Street, London, W.1: National Press advertising of Dip during July.

CUSSENS, SONS & CO., LTD., 84 Brook Street, London, W.1: Advertising of talcum powders in *Picture Post*, *Illustrated* and other papers during July and August.

WILLIAM FREEMAN & CO., LTD., Peel Street, Barnsley, Yorks: Autumn and winter advertising for Suba Seal and Suba Maid hot-water bottles in the national Press.

TRADE MARKS

From the "Trade Marks Journal," June 24

For industrial chemicals (1)
HOWARDS, 702,371, by Howards & Sons, Ltd., Ilford.

For agricultural, horticultural and industrial chemicals, adhesives, and chemicals for preserving foodstuffs (1)

MEYPRO, 716,499, by Meypro S.A., Weinfielden, Switzerland.

For perfumes, cosmetics, non-medicated toilet preparations, hair lotion and toilet soaps (3)

ACQUARIUS, THE WATER BEARER, 704,340; **ARIES**, THE RAM, 704,341; **CANCER**, THE CRAB, 704,342; **CAPRICORNUS**, THE GOAT, 704,343; **GEMINI**, THE TWINS, 704,344; **LEO**, 704,345; **LIBRA**, THE BALANCE, 704,346; **PISCES**, THE FISHES, 704,347; **SAGITTARIUS**, THE ARCHER, 704,348; **SCORPIO**, THE SCORPION, 704,349; **TAURUS**, 704,350; **VIRGO**, THE VIRGIN, 704,351; all by Thelma Besant (Thelma Holland), London, S.W.1.

For non-medicated toilet lotions and toilet creams (3)

WHITE SABLE, 711,379, by Revlon Products Corporation, New York, U.S.A.

For cosmetics for the eyes (3)
GLINTIS, 713,832, by Ellen Morgan, Northwich, Ches.

For soaps, bleaching preparations, perfumes, essential oils and non-medicated toilet preparations (3)

CHARMEX, B714,853, by the British Products Sanmex Co., Ltd., Glasgow.

For preparations for rinsing stockings and fabrics to improve their wearing qualities (3)

NYTONA, 716,406, by Dorney Laboratories, Taplow, Bucks.

For preparations for cleaning teeth or dentures (3)

LENTA-SODIUM, 716,453; and **LENTEX-SODIUM**, 716,454; both by Leonard Cook, Blackburn.

For pharmaceutical products (5)

BELAMYD, B709,447, by E. R. Squibb & Sons, Ltd., London, W.1. **PASINAH**, 715,679, by A. Wander, Ltd., London, W.1. **ASCON**, 716,216, by Allied Laboratories, Ltd., London, W.1. **SUPPOSITABS**, 716,527, by A. Wander, Ltd., London, W.1.

For pharmaceutical, veterinary and sanitary substances, disinfectants, medicated toilet paper and weed-killers (5)

IZAL, 715,897, by Newton, Chambers & Co., Ltd., Sheffield.

For all goods (5)

THORACIN, 716,028, by Stanning Proprietaries, Ltd., London, S.W.1. **OPTOLINE**, B716,126, by Optrex, Ltd., Greenford. **SCORBITOL**, 717,076, by The British Drug Houses, Ltd., London, N.1.

For anesthetics (5)

BRITOCAINE, 716,576, by the Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19.

For antibiotics (5)

MIXTAMYCIN, 716,583, by the Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, July 5

LONDON CHEMISTS' GOLFING SOCIETY, West Surrey golf club (telephone: Gdalming 278). Fixture.

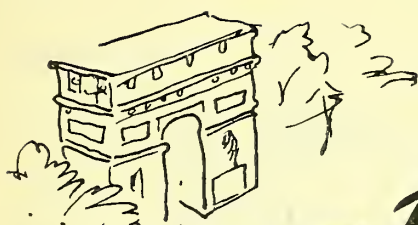
Wednesday, July 8

LONDON CHEMISTS' GOLFING SOCIETY, Bush Hill Park golf club (telephone: Laburnam 5895). Fixture.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Royal Lytham golf club. Match for Hough Hosiery trophy and prize.

Advance Information

LONDON PHARMACY RAMBLERS are walking to Arundel Park and the Middle Arun Valley, Sussex, from Amberley on July 12.



Profit from Paris!

— authentic perfumes by



L. T. Piver for the price-conscious woman

Piver perfumes returned to England only last year but already they're in tremendous demand—here's why. Piver perfume sells because it's priced right (as low as 5/11 for the *pochette* size)... because it's a real Paris perfume, created, packed and sealed in the French capital... and because it's widely advertised to the young fashion-conscious woman... the woman who yearns for an authentic Paris perfume but has never been able to afford it—until now!



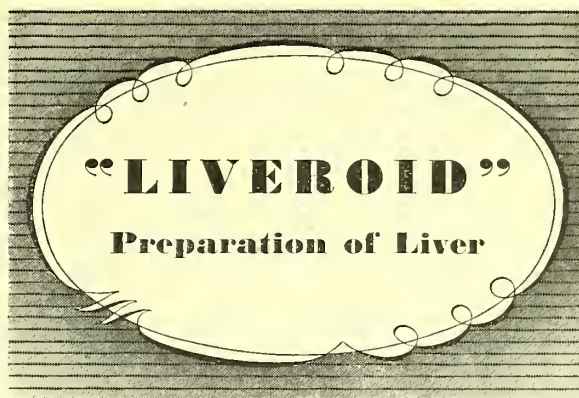
There are striking Piver display outers for your counters, too.

★ Look at these budget-benefit prices!

Les Fleurs (8 fragrances) 13/4 Le Trefle Incarnat
Rêve d'Or Pompeia Cuir de Russie Floramye,
etc. 14/8 & 19/11. Special *pochette* size 5/11

Parfums de
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Paris

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5, Great Winchester Street, London, E.C.2



A concentrated preparation of the uncoagulated juice of liver, fortified with iron and glycerophosphates.

“LIVEROID” IS EMINENTLY SUITABLE FOR THE TREATMENT OF

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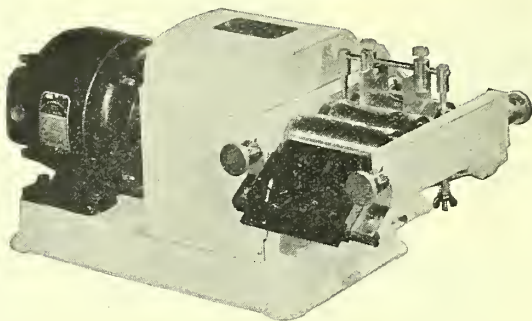
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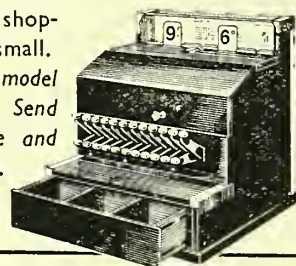
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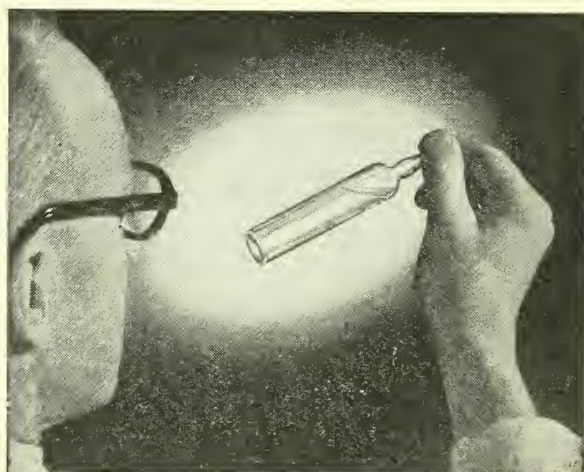
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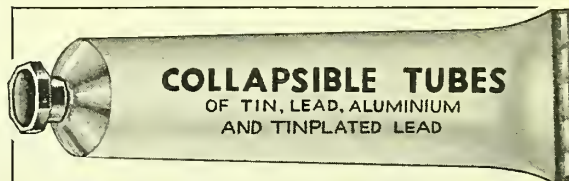
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 EXCLUSIVE
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Obtainable from your wholesaler to retail at 7½d. each

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NUCTA OIL

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Manufactured by :

STEWART, GOODALL & DUNLOP LTD.

121A PRINCES STREET — EDINBURGH

- The pollination period of wild flowers and grasses is particularly dangerous to sufferers of:—

P.A.T.A.



**HAY ASTHMA
ALLERGIC CORYZA
HAY FEVER**

BUT THE

"RIDDOBRO"

NASAL OINTMENT

AFFORDS COMPLETE RELIEF

SUPPLIED IN 5, 10 AND 30 GRAM TUBES
PLEASE ASK FOR REDUCED PRICE LIST

• RIDDELL PRODUCTS LTD. •

TELEPHONE :

PIONEERS OF INHALATION THERAPY

GER : 3754

Axtell House, Warwick Street, Regent Street, London, W.1

—ANC—

11 MANSFIELD CHAMBERS, ST. ANN'S SQUARE, MANCHESTER, 2

*IT PAYS YOU
TO SELL*

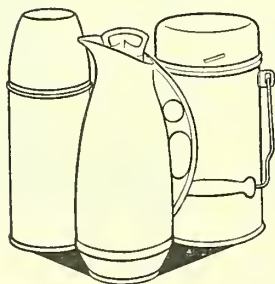


By Appointment
to the late
King George VI

THERMOS

REGISTERED TRADE MARK

BRAND VACUUM FLASKS, JUGS & JARS



*- THE
PUBLIC
LIKE
THEM
TOO!*

THERMOS (1925) LIMITED, SEYMOUR ROAD, LEYTON, LONDON, E.10

3 MACHINES
IN ONE!

ANALYSES
ADDS & LISTS

REGNA

the CASH REGISTER
to RECKON WITH

from £90 H.P. TERMS

THE REGNA CASH REGISTER CO.
Proprietors: The Joeli Safe Co. (London) Limited
Telephone: TRAfalgar 3718
7 York Place, Adelphi, London, W.C.2

WHAT IS BEST?

Agfacolor

processed and finished by
TEMPO LABORATORIES LTD

80 ST. JOHNS ROAD
TUNBRIDGE WELLS

TELEPHONE: 21019

FULL TRADE DISCOUNT

The CAMILATONE five for Hair Beauty



CAMILATONE

Tonrinz Colour Rinses

The favourite Colour Rinse of millions of women to-day. In an exclusive range of nine lovely shades that reveal the true beauty of natural hair colour. Retail Price 4½d. Trade Price 2/- per doz. plus 75% P.T.



CAMILATONE

Twin Pack

SHAMPOO AND COLOUR RINSE
Colour-harmonised Camilatone

Shampoo plus its matching shade of
Tonrinz, handily packed together in a Twin Pack.

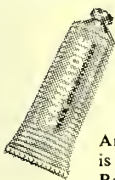
Retail Price 8½d. Trade Price 3/9 per doz. plus 75% P.T.

CAMILATONE

Fastint

HAIR COLOUR COSMETIC

For touching out the first signs of grey hair. Easily applied and removed. In a range of natural shades in 2/3 and 4/6 bottles. Trade Price per doz. 12/- Standard size, 24/- Large size, plus 75% P.T.



CAMILATONE

Hair Conditioner

An after-shampoo conditioning treatment for hair that is dry and dull, bringing to it new life and beauty. Retail Price 2/3 per tube. Trade Price 12/- doz. Plus 75% P.T.

CAMILATONE

Lustrset

HAIR SETTING CREAM

Beautifies as it sets, bringing lasting loveliness to all types of hair. Retail Price 2/3 per tube. Trade Price 12/- per doz. Plus 75% P.T.

Attractive counter displays are available for all products

CAMILATONE LIMITED

EDGWARE ROAD, WELSH HARP N.W.9

There's good business
for **YOU** in -

FIRST AID OUTFITS



made by the
**Pioneers of
First Aid**

People nowadays are fully aware of the need for First Aid, and the dangers of infection through inattention. They need First Aid Outfits for the home, holidays, motoring, cycling, sports, in fact there is hardly a situation, occasion or organisation where First Aid is not required. A prominent display of First Aid Outfits will constantly remind your customers of this need and bring you good business.

The Compactoid range is most attractively presented in strong enamelled cream, red and white boxes, and the contents are backed by over fifty years' specialised experience of First Aid requirements and manufacture.

PRICES

	A88	A77	A76	A75	A70
TRADE PRICE (Dozen)	23/6	42/-	69/-	90/-	162/-
RETAIL (Each)	2/6	5/-	7/9	10/-	18/-

A PRODUCT OF

**Cuxson Gerrard
& Co. Ltd.**
OLDBURY BIRMINGHAM

These eye-catching ads —



are booked
to appear
in the
Press
throughout
the country
to help
you



**SELL
PARKINSONS
PILLS**

*Bigger profits.
More repeat sales!*

**PARKINSONS LIMITED
MANUFACTURING CHEMISTS · BURNLEY**



ASPIRIN B.P.

*"Fre-Flo" Granular, Needle Crystals
and Powder*

SODIUM SALICYLATE B.P.

Flake and Powder

ACID SALICYLIC B.P.

SALICYLAMIDE

Please write for samples and quotations

BUSH

**FINE CHEMICAL
MANUFACTURERS**

W. J. BUSH & CO. LTD. LONDON. E.8. ENGLAND

TRESS

still goes on
breaking
sales records

TRADE PRICES

Sells at 2/8 per bottle giving many applications

Your cost : 14/4 per dozen, plus 75% purchase tax

Your profit : 6/11 per dozen

Marketed by GOLDEN LTD., 2/4 DEAN ST., LONDON, W.1.

Tel : GER 4926

ENQUIRIES INVITED FOR

**ASPIRIN
and ASPIRIN TABLETS****BARBITURATES**QUINALBARBITONE SODIUM, CYCLOBARBITONE,
PHEMITONE, BUTOBARBITONE, AMYLOBARBITONE,
HEXOBARBITONE, ALLOBARBITONE, PHENOBARBITONE,
ETC., ETC.

Manufactured by

PIERSON, MORRELL & CO. LTD.

THE ORIGINAL BRITISH ASPIRIN MAKERS

BARNET, Herts

Telegrams: Pierson Morrell Barnet

Telephone: BARnet 0723

Attractive Sales Aids are Available
LUXAN LTD., 4 CHEPSTOW ST.,
MANCHESTER, 1

London: 1 Crown Court, Cheapside, E.C.2

DISPLAY AND RECOMMEND

SECTO D.D.T.

BRITAIN'S BEST—AND FOR PROFIT

Cupal Limited, Blackburn, Lancs.

"Sweetheart"

"Drinkrite"

DRINKING STRAWSspecial **SMALL PACKS** of 25, 50 and 100 straws.
Order now and **INSIST** on these brands for **QUALITY**.**HYGIENIC DRINKING STRAWS CO. LTD.,**
LARKHALL, Lanarkshire**P.A.S.****GLYCINE****FERROUS GLUCONATE****ISONIAZID****HALEWOOD CHEMICALS LIMITED**111-115 EASTBOURNE MEWS, PADDINGTON, LONDON, W.2
AMBASSADOR 4198

More heavy ADVERTISING

of

DISPEL

Air-Refresher

Build up stocks on DISPEL'S

Summer DISPLAY BONUS:—

every case of 3 dozen

charged as 2½ dozen on all

orders placed by July 31st

1953.

DISPEL works to the last drop. Amazing new "Wetting Agent" makes wick s-t-a-y wet. DISPEL works all the time — not just first few hours.

this month

Advance Industries Ltd., 87, Regent Street, London, W.1

PLANNED TO SELL MORE

YOU can sell more, quickly and simply, by installing Shomore Equipment. Start with a single Shomore unit and add others as your profits grow.



'SHOMORE'
DISPLAY

WRITE NOW FOR FREE LITERATURE

PARNALL & SONS LIMITED • LODGE CAUSEWAY • FISHPONDS • BRISTOL

New
WALT DISNEY
Design

DDT FLY CARDS

SQUARE & CUT OUTS

Sample & prices on application to :-

THE COUNTY PAPER MILLS

72 TOTTENHAM COURT ROAD,
LONDON, W.1

MUSEum 0655

REDUCTION IN PRICE

Spontex

COSMETIC SPONGE

As from July 1st, price to the public

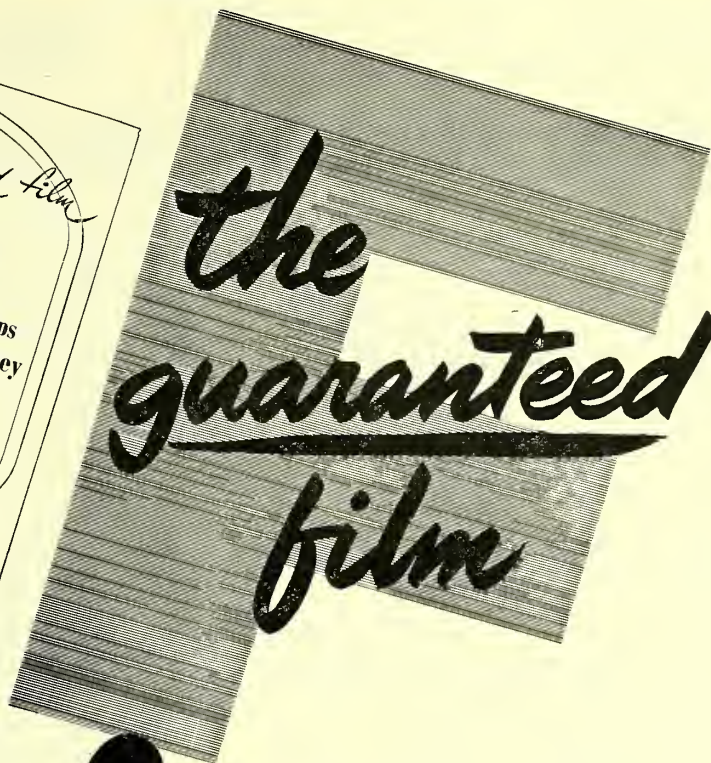
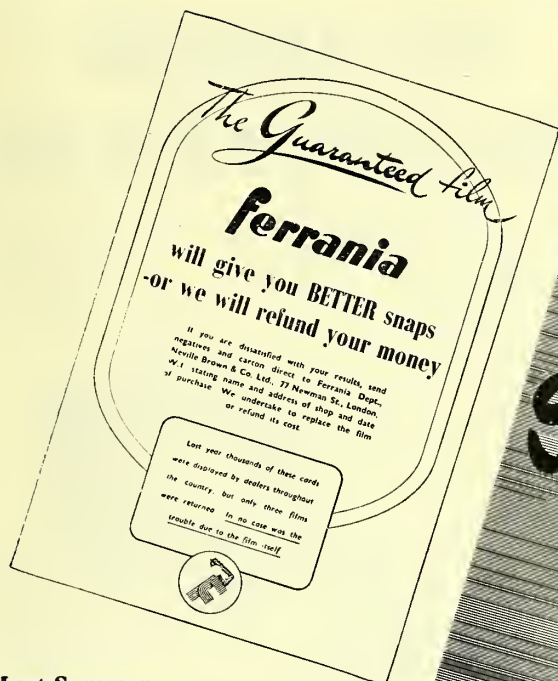
6d. plus P.T. **1d. = 7d.**

Trade price:—6d. less 33 $\frac{1}{3}$ % plus P.T.

From your usual supplier.

N.B. Prices of all other Sponges remain unaltered.

SPONCEL LIMITED • BROMLEY • KENT



ferrania

Last Summer, we broke new ground by definitely guaranteeing every Ferrania film. Thousands of showcards were displayed by dealers throughout the season yet only 3 films were returned. These were gladly replaced, even though no faults were found in the film itself. This year a new and more attractive colour showcard is available.

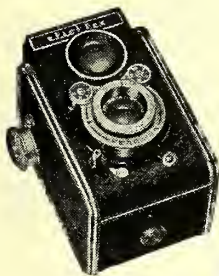


IN this Coronation year, more photographs will be taken than ever before. To capture an even greater share of the market, we are advertising Ferrania film in the photographic press, and in the "Personal" columns of more than fifty National Newspapers, magazines and "hobby" publications with a combined readership of many millions.

Tie up with this bigger-than-ever campaign by window and counter display: we will send you a wide range of colourful sales aids in any reasonable quantity. These include dummy cartons from actual size, up to 20"; cut-out Ferrania figures in 5 sizes; showcards; photogravure folders; stickers and posters; poster stamps; technical data leaflets.

You can do big business with the only guaranteed film.

● FERRANIA QUALITY CAMERAS



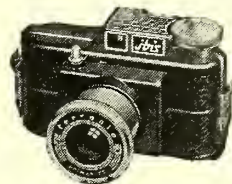
ELIOFLEX
£11 - 18 - 6



ASTOR £29 - 17 - 6



RONDINE £5 - 8 - 8



IBIS £3 - 15 - 0

NEVILLE BROWN & COMPANY LTD

77 NEWMAN STREET • LONDON • W.1.

Telephone: LANgham 7161 (10 lines)

YOUR PRINTED TABLET CARTONS

★

IN SEVEN DAYS

★

Make a note of our address

★

J. N. WHITELAW LTD.

Label and Carton Printers

PALESTINE GROVE, MERTON, S.W.19

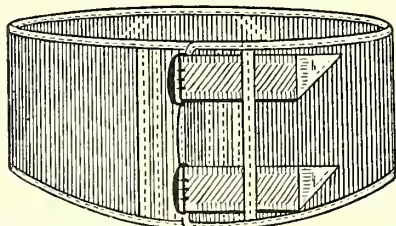
Tel: MITcham 4411

CLIFTON — BRAND — SURGICAL BELTS

for Warmth and Support

Also

**ELASTIC HOSIERY, TRUSSES
SUSPENSORY BANDAGES and SUNDRIES**



**SURGICAL APPLIANCES AND
CHEMIST'S SUNDRIES
N.H.S. ALL TYPES**

Personal attention by

CHARLES WILLIAMS & CO

Proprietor: A. G. PRICE

STONE STREET, BEESTON, NOTTS

BRANNAN GUARANTEED THERMOMETERS

CLINICAL - HOUSEHOLD - INDUSTRIAL

When ordering Thermometers, insist upon Brannans — made by highly skilled workers at Britain's most modern Thermometer Factory.

S. Brannan & Sons Ltd.

Clinitherm Works,
Dalmain Road, Forest Hill,
London, S.E.23

Telephone: Forest Hill 3414 P. Ex.

Northern Factory:

Cleator Moor
West Cumberland

Tel.: Cleator Moor 310



(Esbron (REGD.)

MIXTURES & TROCHES

**For COUGHS, COLDS & THROAT ailments
and also for ASTHMA and BRONCHITIS.**

It is advisable to get stocks in now ready for the Autumn demand. Bonus of 1 dozen Troches with all orders for 3 dozen Tonic.

9/- per dozen RETAIL 1/5d. EACH 3 dozen lots 8/9d. per dozen

BROOK, PARKER & CO. LIMITED
ASHFIELD, BRADFORD

SURE-SELLING STOCK!

OVER 150 YEARS REPUTATION

KEARSLEY'S

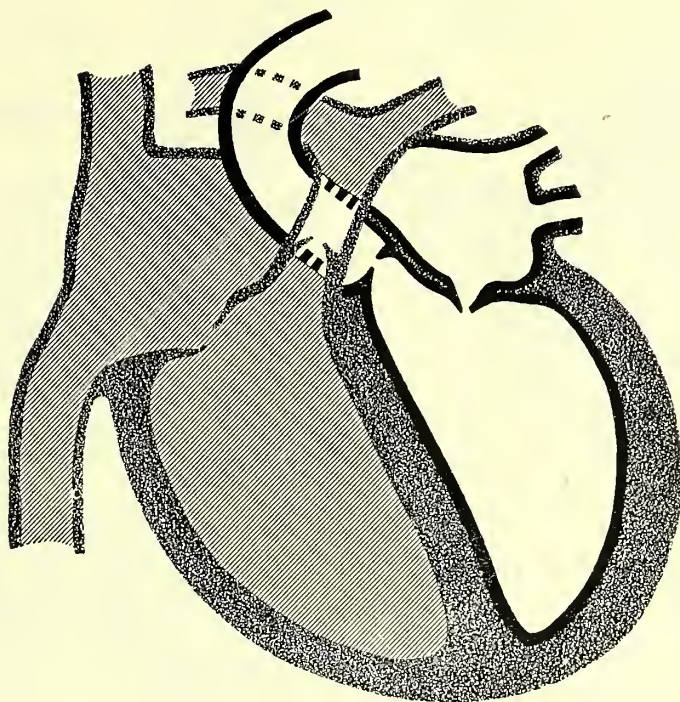
THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

9d. BOX PROFIT by ordering 1 dozen
3/3½ size. Bonus given on every dozen (13).
It pays to push this size.

Established 1787
in the Reign of
King George III

C. & G. KEARSLEY LTD.
71 DARTMOUTH ROAD, LONDON, S.E.23



Immediate delivery from Whiffens

THEOPHYLLINE ALKALOID
THEOPHYLLINE SODIUM ACETATE
THEOPHYLLINE ETHYLENE DIAMINE

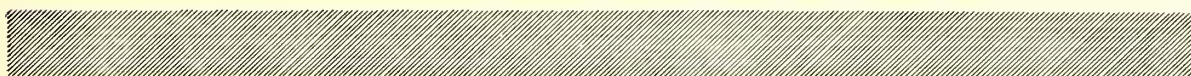


suppliers of fine chemicals since 1854

WHIFFEN & SONS LTD., NORTH WEST HOUSE, MARYLEBONE ROAD, LONDON, N.W.1

Telephone : PADdington 1041/6

Telegrams : Whiffen, Norwest, London





Well over $\frac{1}{2}$ your customers
will see  advertisements
this month!

Review your stocks of NEW extra strong **dip** Permanent Starcher—keep **dip** well displayed. Many more of your customers will become regular buyers of **dip**. Start them *this month!*

The British Permanent Starch Co., Ltd.
87 Regent Street, London, W.1



BIG SPACE ADVERTISING in July, August —MEANS BIG JUMP IN DEMAND FOR



Cussons Talcum Powders

Dominant page advertisements in full colour in Picture Post, Illustrated etc. during July and August will bring Cussons Talcum Powders forcibly to the attention of

12 MILLION READERS

This special campaign for Cussons Blue Hyacinth, Apple Blossom and Lilac Blossom Talcum Powders is in addition to the regular colour-page programme for Imperial Leather. Appearing at the peak season for Talc sales, it will bring you valuable new business. Be prepared for the inevitable heavy demand —

**ORDER
YOUR STOCKS
TODAY!**



Makers of
IMPERIAL LEATHER
Toilet Luxuries

CUSSONS SONS & CO. LTD, 84 BROOK STREET, GROSVENOR SQUARE, LONDON W1

The
CHEMIST AND DRUGGIST

JULY 4 1953



Regd. Trade Mark

PILLS & TABLETS

of the highest quality manufactured in any quantity.

Superbly coated or uncoated.
In display-value packs or bulk.
Special or standard formulæ.

ARTHUR H. COX & CO. LTD.

MANUFACTURING CHEMISTS SINCE 1839

BRIGHTON, 7, SUSSEX